

# **Karlen Communications**

## **PDF and the User Experience Survey 2025**



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# Introduction

This survey, "PDF and the User Experience Survey 2025", asks those with disabilities using adaptive technology to read PDFs about your personal experiences using Portable Document Format (PDF) files.

This is an anonymous survey.

All questions are required.

I, Karen McCall, am an independent researcher and document expert. I am conducting this research to inform my own knowledge. As a digital document expert, I volunteer my time and sit on standards committees. Professionally, I am a paid consultant. As a volunteer, committee member and/or a consultant, I work with Government Standards organizations (such as Adobe, Microsoft, etc.), accessibility organizations, and my consulting company Karlen Communications. I am conducting this study on my own time and will not be profiting from the results.

If you have any problems with the research process, please get in touch with me at [info@karlencommunications.com](mailto:info@karlencommunications.com).

There are no apparent risks in participating in this research study.

As with past surveys, the survey's results will be published on the Karlen Communications website and referenced and cited in conference presentations and journal articles.  
(karlencommunications.com)

Thank you for taking the time to complete this survey!

Cheers, Karen

## Methodology

The total number of participants was 86.

The survey was created using Microsoft Forms.

All iterations of this research survey aim to gather experiences from individuals who use adaptive technology to access PDFs from around the world.

The survey was distributed through:

- The WebAIM (Web Accessibility in Mind) discussion list.
- The ATHEN (Assistive Technology in Higher Education) discussion list.
- The Disability Studies discussion list.
- Social media: LinkedIn, Mastodon, and Blue Sky.

Due to the small demographic of screen reader users and the difficulty finding them to complete the survey, the [Carroll Centre for the Blind](#)<sup>1</sup> was partnered with to access a large database of screen reader users.

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<sup>1</sup> Carroll Centre for the Blind website: <https://carroll.org/>

## 1. What country do you live in?

ID	Response
136135094	United States
908509606	United States
026178587	United States
151843519	United States
010724517	United States
686707169	United States
917556552	United States
714979477	United States
933515404	United States
262532437	United States
103169257	United States
227305531	United States
955008758	United States
146169214	United States
704059713	United States
280650367	United States
287704595	United States
156180903	United States
060983465	United States
473081746	United States
509466991	United States
387275173	United States
315836334	United States
137732127	United States
970804742	United States
317585172	United States
856509099	United States
397184637	United States
140739952	United States
456876408	United States
496808455	India
317050089	United States
625312558	United States
004396528	Greece
695627821	United States
924747742	United States
646173572	United States
567517408	United States

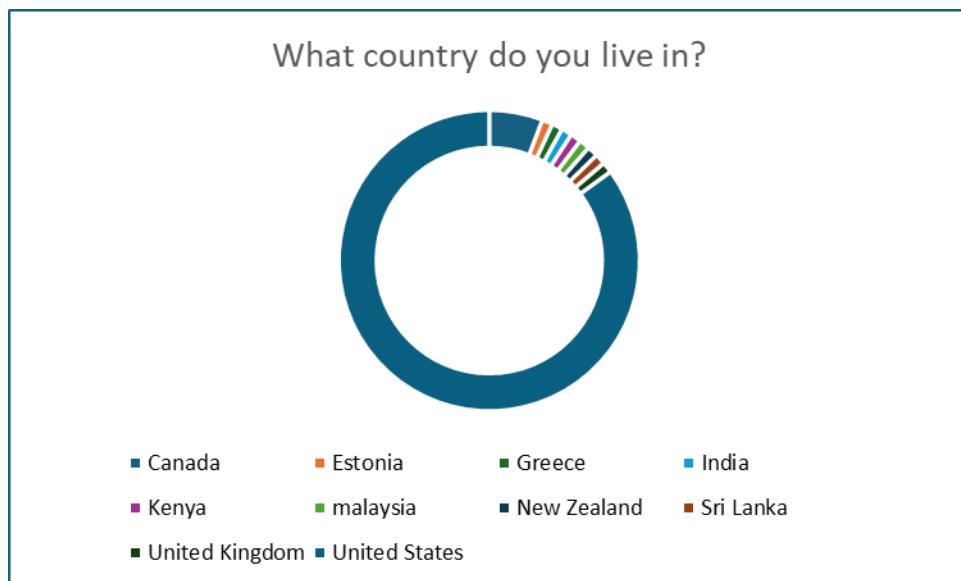
ID	Response
<b>31574502</b>	United States
<b>392401905</b>	United States
<b>360167906</b>	New Zealand
<b>35220805</b>	United States
<b>958162467</b>	United States
<b>543592839</b>	United States
<b>450720183</b>	United States
<b>907883413</b>	United Kingdom
<b>823218492</b>	United States
<b>294555011</b>	United States
<b>499773403</b>	Canada
<b>280649033</b>	United States
<b>074340148</b>	United States
<b>547562881</b>	United States
<b>142292818</b>	United States
<b>578645714</b>	United States
<b>199866328</b>	Canada
<b>209498746</b>	Canada
<b>35094704</b>	United States
<b>905029633</b>	United States
<b>349464375</b>	United States
<b>329459705</b>	United States
<b>275792361</b>	Malaysia
<b>124470068</b>	United States
<b>73229963</b>	United States
<b>468250405</b>	Canada
<b>170744282</b>	United States
<b>157793129</b>	United States
<b>431167757</b>	United States
<b>312100247</b>	Canada
<b>186985455</b>	United States
<b>979835806</b>	United States
<b>698778696</b>	United States
<b>644330769</b>	United States
<b>916796537</b>	Sri Lanka
<b>696745121</b>	Estonia
<b>411408885</b>	United States
<b>437628957</b>	United States
<b>854617271</b>	United States
<b>944044535</b>	United States

ID	Response
<b>067136778</b>	United States
<b>117021918</b>	Kenya
<b>637083309</b>	united states
<b>996237065</b>	United States
<b>755454051</b>	United States
<b>668268612</b>	United States
<b>45999226</b>	United States
<b>825015446</b>	United States

Consolidated table for countries.

Country	Responses
<b>Canada</b>	5
<b>Estonia</b>	1
<b>Greece</b>	1
<b>India</b>	1
<b>Kenya</b>	1
<b>Malaysia</b>	1
<b>New Zealand</b>	1
<b>Sri Lanka</b>	1
<b>United Kingdom</b>	1
<b>United States</b>	73

Figure 1 Chart for question 1.





## 2. Does your country have legislation about the accessibility of documents

Word processed, presentation, spreadsheets, PDF, or EPUB.

ID	Response
136135094	I don't know
908509606	No
026178587	Yes
151843519	Yes
010724517	Yes
686707169	I don't know
917556552	I don't know
714979477	Yes
933515404	I don't know
262532437	Yes
103169257	I don't know
227305531	Yes
955008758	No
146169214	No
704059713	I don't know
280650367	Yes
287704595	Yes
156180903	I don't know
060983465	I don't know
473081746	Yes
509466991	I don't know
387275173	Yes
315836334	I don't know
137732127	Yes
970804742	Yes
317585172	I don't know
856509099	Yes
397184637	Yes
140739952	I don't know
456876408	I don't know
496808455	I don't know
317050089	I don't know
625312558	Yes
004396528	Yes
695627821	I don't know

ID	Response
<b>924747742</b>	Yes
<b>646173572</b>	I don't know
<b>567517408</b>	Yes
<b>31574502</b>	Yes
<b>392401905</b>	I don't know
<b>360167906</b>	Yes
<b>35220805</b>	Yes
<b>958162467</b>	I don't know
<b>543592839</b>	I don't know
<b>450720183</b>	I don't know
<b>907883413</b>	I don't know
<b>823218492</b>	I don't know
<b>294555011</b>	Yes
<b>499773403</b>	I don't know
<b>280649033</b>	Yes
<b>074340148</b>	Yes
<b>547562881</b>	Yes
<b>142292818</b>	Yes
<b>578645714</b>	I don't know
<b>199866328</b>	Yes
<b>209498746</b>	Yes
<b>35094704</b>	I don't know
<b>905029633</b>	Yes
<b>349464375</b>	No
<b>329459705</b>	I don't know
<b>275792361</b>	Yes
<b>124470068</b>	Yes
<b>73229963</b>	Yes
<b>468250405</b>	Yes
<b>170744282</b>	Yes
<b>157793129</b>	I don't know
<b>431167757</b>	I don't know
<b>312100247</b>	Yes
<b>186985455</b>	Yes
<b>979835806</b>	I don't know
<b>698778696</b>	Yes
<b>644330769</b>	No
<b>916796537</b>	Yes
<b>696745121</b>	I don't know
<b>411408885</b>	I don't know

ID	Response
<b>437628957</b>	I don't know
<b>854617271</b>	No
<b>944044535</b>	No
<b>067136778</b>	Yes
<b>117021918</b>	Yes
<b>637083309</b>	Yes
<b>996237065</b>	Yes
<b>755454051</b>	Yes
<b>668268612</b>	Yes
<b>45999226</b>	No
<b>825015446</b>	No

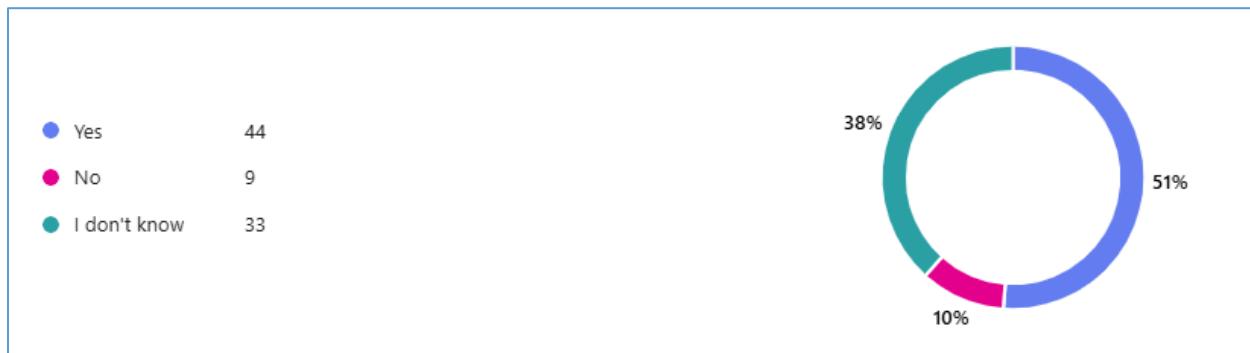
Consolidated data for question 2.

Yes = 44.

No = 9.

I don't know = 33.

Figure 2 Chart for question 2.



### 3. I've been using a computer or digital device for

ID	Response
136135094	21 to 30 years.
908509606	21 to 30 years.
026178587	1 to 10 years.
151843519	More than 30 years.
010724517	More than 30 years.
686707169	11 to 20 years.
917556552	More than 30 years.
714979477	21 to 30 years.
933515404	21 to 30 years.
262532437	21 to 30 years.
103169257	1 to 10 years.
227305531	More than 30 years.
955008758	21 to 30 years.
146169214	More than 30 years.
704059713	More than 30 years.
280650367	More than 30 years.
287704595	1 to 10 years.
156180903	11 to 20 years.
060983465	21 to 30 years.
473081746	More than 30 years.
509466991	21 to 30 years.
387275173	1 to 10 years.
315836334	More than 30 years.
137732127	More than 30 years.
970804742	1 to 10 years.
317585172	21 to 30 years.
856509099	11 to 20 years.
397184637	More than 30 years.
140739952	More than 30 years.
456876408	21 to 30 years.
496808455	1 to 10 years.
317050089	More than 30 years.
625312558	More than 30 years.
004396528	21 to 30 years.
695627821	21 to 30 years.
924747742	More than 30 years.
646173572	More than 30 years.
567517408	More than 30 years.

ID	Response
<b>31574502</b>	More than 30 years.
<b>392401905</b>	More than 30 years.
<b>360167906</b>	More than 30 years.
<b>35220805</b>	More than 30 years.
<b>958162467</b>	21 to 30 years.
<b>543592839</b>	1 to 10 years.
<b>450720183</b>	More than 30 years.
<b>907883413</b>	1 to 10 years.
<b>823218492</b>	More than 30 years.
<b>294555011</b>	More than 30 years.
<b>499773403</b>	21 to 30 years.
<b>280649033</b>	21 to 30 years.
<b>074340148</b>	11 to 20 years.
<b>547562881</b>	More than 30 years.
<b>142292818</b>	More than 30 years.
<b>578645714</b>	More than 30 years.
<b>199866328</b>	More than 30 years.
<b>209498746</b>	More than 30 years.
<b>35094704</b>	11 to 20 years.
<b>905029633</b>	11 to 20 years.
<b>349464375</b>	More than 30 years.
<b>329459705</b>	11 to 20 years.
<b>275792361</b>	11 to 20 years.
<b>124470068</b>	More than 30 years.
<b>73229963</b>	21 to 30 years.
<b>468250405</b>	21 to 30 years.
<b>170744282</b>	More than 30 years.
<b>157793129</b>	11 to 20 years.
<b>431167757</b>	More than 30 years.
<b>312100247</b>	21 to 30 years.
<b>186985455</b>	11 to 20 years.
<b>979835806</b>	21 to 30 years.
<b>698778696</b>	21 to 30 years.
<b>644330769</b>	1 to 10 years.
<b>916796537</b>	21 to 30 years.
<b>696745121</b>	11 to 20 years.
<b>411408885</b>	More than 30 years.
<b>437628957</b>	More than 30 years.
<b>854617271</b>	More than 30 years.
<b>944044535</b>	21 to 30 years.

ID	Response
<b>067136778</b>	More than 30 years.
<b>117021918</b>	11 to 20 years.
<b>637083309</b>	21 to 30 years.
<b>996237065</b>	More than 30 years.
<b>755454051</b>	21 to 30 years.
<b>668268612</b>	More than 30 years.
<b>45999226</b>	11 to 20 years.
<b>825015446</b>	11 to 20 years.

Consolidated data for question 3.

Less than a year = 0

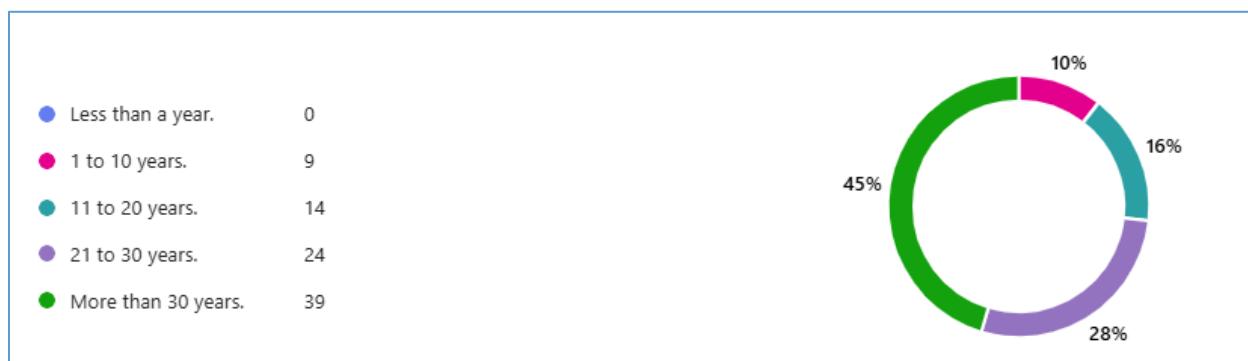
1 to 10 years = 9

11 to 20 years = 14.

21 to 30 years = 24.

More than 30 years = 39.

Figure 3 Chart for question 3.



#### 4. How would you describe your computer literacy level

ID	Response
136135094	Advanced.
908509606	Advanced.
026178587	Intermediate.
151843519	Advanced.
010724517	Advanced.
686707169	Advanced.
917556552	Advanced.
714979477	Intermediate.
933515404	Advanced.
262532437	Intermediate.
103169257	Advanced.
227305531	Advanced.
955008758	Advanced.
146169214	Advanced.
704059713	Advanced.
280650367	Intermediate.
287704595	Advanced.
156180903	Intermediate.
060983465	Intermediate.
473081746	Advanced.
509466991	Advanced.
387275173	Intermediate.
315836334	Advanced.
137732127	Advanced.
970804742	Intermediate.
317585172	Advanced.
856509099	Intermediate.
397184637	Intermediate.
140739952	Intermediate.
456876408	Intermediate.
496808455	Intermediate.
317050089	Intermediate.
625312558	Intermediate.
004396528	Advanced.
695627821	Intermediate.
924747742	Advanced.
646173572	Advanced.
567517408	Advanced.

ID	Response
<b>31574502</b>	Advanced.
<b>392401905</b>	Intermediate.
<b>360167906</b>	Advanced.
<b>35220805</b>	Advanced.
<b>958162467</b>	Intermediate.
<b>543592839</b>	Intermediate.
<b>450720183</b>	Intermediate.
<b>907883413</b>	Intermediate.
<b>823218492</b>	Intermediate.
<b>294555011</b>	Intermediate.
<b>499773403</b>	Intermediate.
<b>280649033</b>	Advanced.
<b>074340148</b>	Advanced.
<b>547562881</b>	Advanced.
<b>142292818</b>	Advanced.
<b>578645714</b>	Advanced.
<b>199866328</b>	Advanced.
<b>209498746</b>	Advanced.
<b>35094704</b>	Advanced.
<b>905029633</b>	Intermediate.
<b>349464375</b>	Advanced.
<b>329459705</b>	Advanced.
<b>275792361</b>	Advanced.
<b>124470068</b>	Advanced.
<b>73229963</b>	Intermediate.
<b>468250405</b>	Advanced.
<b>170744282</b>	Advanced.
<b>157793129</b>	Intermediate.
<b>431167757</b>	Intermediate.
<b>312100247</b>	Intermediate.
<b>186985455</b>	Advanced.
<b>979835806</b>	Advanced.
<b>698778696</b>	Advanced.
<b>644330769</b>	Intermediate.
<b>916796537</b>	Advanced.
<b>696745121</b>	Advanced.
<b>411408885</b>	Intermediate.
<b>437628957</b>	Intermediate.
<b>854617271</b>	Advanced.
<b>944044535</b>	Intermediate.

ID	Response
<b>067136778</b>	Advanced.
<b>117021918</b>	Advanced.
<b>637083309</b>	Advanced.
<b>996237065</b>	Advanced.
<b>755454051</b>	Intermediate.
<b>668268612</b>	Advanced.
<b>45999226</b>	Intermediate.
<b>825015446</b>	Intermediate.

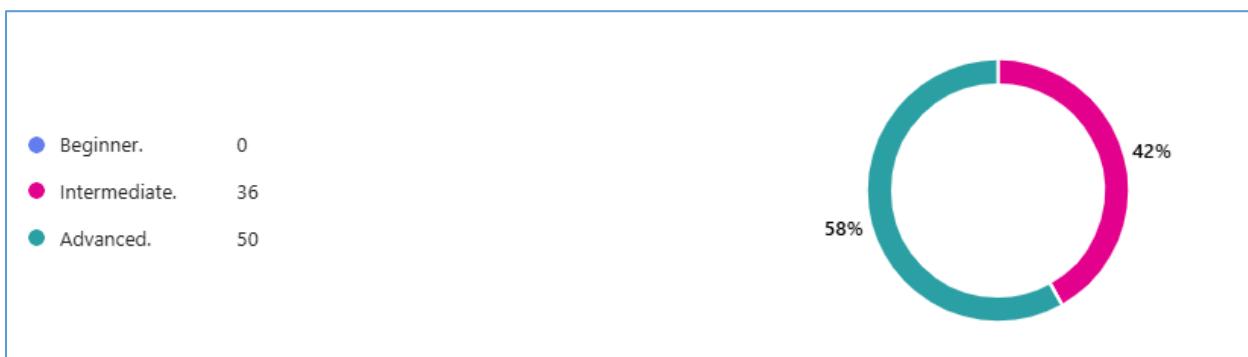
Consolidated data for question 4.

Beginner = 0.

Intermediate = 36.

Advanced = 50.

Figure 4 Chart for question 4.



## 5. How would you describe your computer literacy level when it comes to reading PDF documents?

ID	Response
136135094	Intermediate.
908509606	Intermediate.
026178587	Intermediate.
151843519	Intermediate.
010724517	Advanced.
686707169	Beginner.
917556552	Advanced.
714979477	Intermediate.
933515404	Intermediate.
262532437	Intermediate.
103169257	Advanced.
227305531	Advanced.
955008758	Intermediate.
146169214	Intermediate.
704059713	Advanced.
280650367	Intermediate.
287704595	Intermediate.
156180903	Intermediate.
060983465	Intermediate.
473081746	Advanced.
509466991	Advanced.
387275173	Intermediate.
315836334	Advanced.
137732127	Intermediate.
970804742	Intermediate.
317585172	Intermediate.
856509099	Beginner.
397184637	Intermediate.
140739952	Beginner.
456876408	Intermediate.
496808455	Beginner.
317050089	Intermediate.
625312558	Intermediate.
004396528	Intermediate.
695627821	Intermediate.
924747742	Intermediate.
646173572	Advanced.

ID	Response
<b>567517408</b>	Advanced.
<b>31574502</b>	Intermediate.
<b>392401905</b>	Beginner.
<b>360167906</b>	Advanced.
<b>35220805</b>	Intermediate.
<b>958162467</b>	Beginner.
<b>543592839</b>	Beginner.
<b>450720183</b>	Beginner.
<b>907883413</b>	Beginner.
<b>823218492</b>	Beginner.
<b>294555011</b>	Intermediate.
<b>499773403</b>	Beginner.
<b>280649033</b>	Advanced.
<b>074340148</b>	Intermediate.
<b>547562881</b>	Advanced.
<b>142292818</b>	Advanced.
<b>578645714</b>	Beginner.
<b>199866328</b>	Advanced.
<b>209498746</b>	Advanced.
<b>35094704</b>	Intermediate.
<b>905029633</b>	Beginner.
<b>349464375</b>	Advanced.
<b>329459705</b>	Advanced.
<b>275792361</b>	Intermediate.
<b>124470068</b>	Advanced.
<b>73229963</b>	Intermediate.
<b>468250405</b>	Intermediate.
<b>170744282</b>	Advanced.
<b>157793129</b>	Intermediate.
<b>431167757</b>	Beginner.
<b>312100247</b>	Intermediate.
<b>186985455</b>	Advanced.
<b>979835806</b>	Advanced.
<b>698778696</b>	Advanced.
<b>644330769</b>	Intermediate.
<b>916796537</b>	Intermediate.
<b>696745121</b>	Intermediate.
<b>411408885</b>	Intermediate.
<b>437628957</b>	Intermediate.
<b>854617271</b>	Advanced.

ID	Response
<b>944044535</b>	Beginner.
<b>067136778</b>	Intermediate.
<b>117021918</b>	Advanced.
<b>637083309</b>	Intermediate.
<b>996237065</b>	Advanced.
<b>755454051</b>	Intermediate.
<b>668268612</b>	Advanced.
<b>45999226</b>	Intermediate.
<b>825015446</b>	Intermediate.

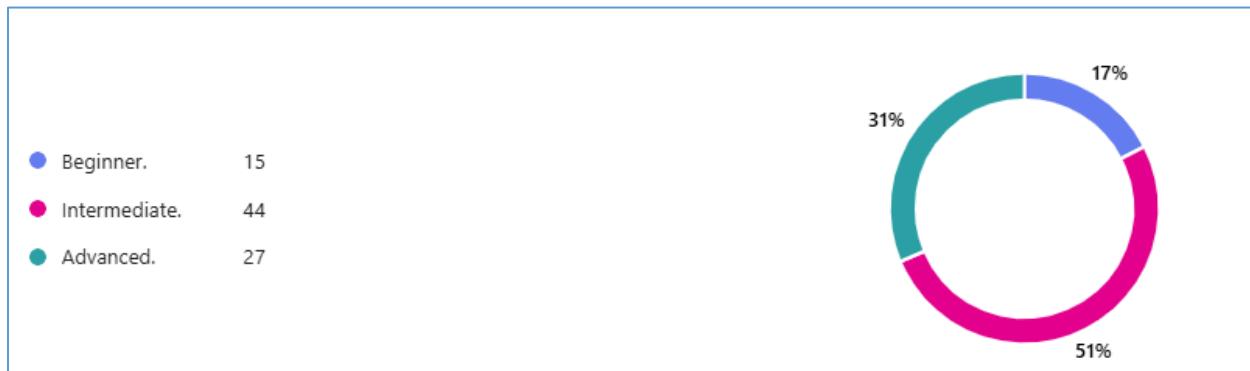
Consolidated data for question 5.

Beginner = 15.

Intermediate = 44.

Advanced = 27.

Figure 5 Chart for question 5.



## 6. How often do you access PDF documents

ID	Response
<b>136135094</b>	Daily
<b>908509606</b>	Monthly
<b>026178587</b>	Weekly
<b>151843519</b>	A few times a year.
<b>010724517</b>	Daily
<b>686707169</b>	Monthly
<b>917556552</b>	Daily
<b>714979477</b>	Daily
<b>933515404</b>	Weekly
<b>262532437</b>	Daily
<b>103169257</b>	Daily
<b>227305531</b>	Weekly
<b>955008758</b>	A few times a year.
<b>146169214</b>	Daily
<b>704059713</b>	Weekly
<b>280650367</b>	Daily
<b>287704595</b>	Weekly
<b>156180903</b>	Daily
<b>060983465</b>	Monthly
<b>473081746</b>	Daily
<b>509466991</b>	Weekly
<b>387275173</b>	Weekly
<b>315836334</b>	Daily
<b>137732127</b>	Daily
<b>970804742</b>	Daily
<b>317585172</b>	Weekly
<b>856509099</b>	Weekly
<b>397184637</b>	Daily
<b>140739952</b>	A few times a year.
<b>456876408</b>	Weekly
<b>496808455</b>	Monthly
<b>317050089</b>	Daily
<b>625312558</b>	Daily
<b>004396528</b>	Weekly
<b>695627821</b>	Monthly
<b>924747742</b>	Daily
<b>646173572</b>	Weekly
<b>567517408</b>	Daily

ID	Response
<b>31574502</b>	Weekly
<b>392401905</b>	Weekly
<b>360167906</b>	Weekly
<b>35220805</b>	Daily
<b>958162467</b>	Weekly
<b>543592839</b>	A few times a year.
<b>450720183</b>	Weekly
<b>907883413</b>	A few times a year.
<b>823218492</b>	Weekly
<b>294555011</b>	Daily
<b>499773403</b>	Weekly
<b>280649033</b>	Daily
<b>074340148</b>	Weekly
<b>547562881</b>	Daily
<b>142292818</b>	Monthly
<b>578645714</b>	Daily
<b>199866328</b>	Weekly
<b>209498746</b>	Weekly
<b>35094704</b>	Daily
<b>905029633</b>	Weekly
<b>349464375</b>	Daily
<b>329459705</b>	Weekly
<b>275792361</b>	Weekly
<b>124470068</b>	Daily
<b>73229963</b>	Weekly
<b>468250405</b>	Daily
<b>170744282</b>	Daily
<b>157793129</b>	Weekly
<b>431167757</b>	Monthly
<b>312100247</b>	Daily
<b>186985455</b>	Daily
<b>979835806</b>	Daily
<b>698778696</b>	Daily
<b>644330769</b>	Weekly
<b>916796537</b>	Daily
<b>696745121</b>	Weekly
<b>411408885</b>	Daily
<b>437628957</b>	Daily
<b>854617271</b>	Daily
<b>944044535</b>	Monthly

ID	Response
<b>067136778</b>	Weekly
<b>117021918</b>	Daily
<b>637083309</b>	A few times a year.
<b>996237065</b>	Daily
<b>755454051</b>	A few times a year.
<b>668268612</b>	Daily
<b>45999226</b>	Monthly
<b>825015446</b>	Daily

Consolidated data for question 6.

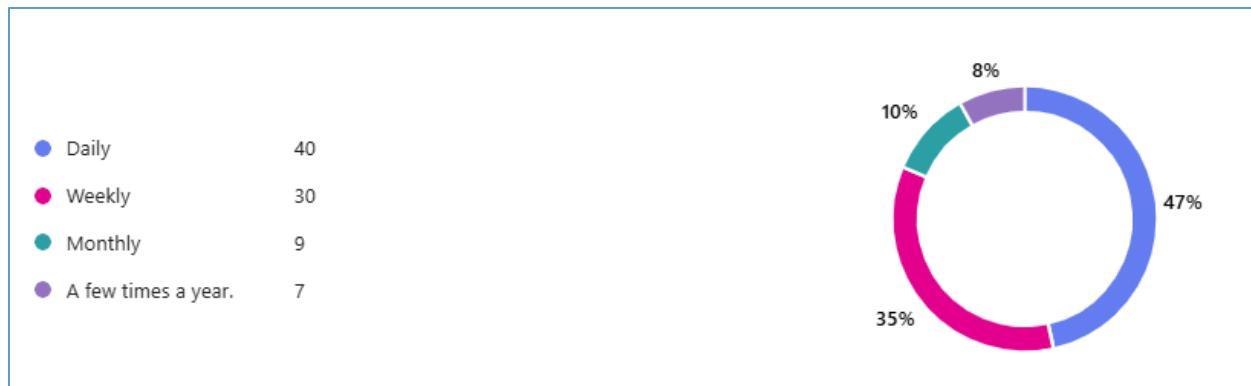
Daily = 40.

Weekly = 30.

Monthly = 9.

A few times a year. = 7.

Figure 6 Chart for question 6.



## 7. What is your estimate of how many scanned PDF documents you read?

ID	Response
<b>136135094</b>	21 to 30%.
<b>908509606</b>	31 to 40%.
<b>026178587</b>	41 to 50%.
<b>151843519</b>	I don't know.
<b>010724517</b>	11 to 20%.
<b>686707169</b>	0 to 10%.
<b>917556552</b>	11 to 20%.
<b>714979477</b>	More than 50%.
<b>933515404</b>	11 to 20%.
<b>262532437</b>	21 to 30%.
<b>103169257</b>	21 to 30%.
<b>227305531</b>	11 to 20%.
<b>955008758</b>	41 to 50%.
<b>146169214</b>	11 to 20%.
<b>704059713</b>	21 to 30%.
<b>280650367</b>	31 to 40%.
<b>287704595</b>	41 to 50%.
<b>156180903</b>	11 to 20%.
<b>060983465</b>	I don't know.
<b>473081746</b>	41 to 50%.
<b>509466991</b>	41 to 50%.
<b>387275173</b>	0 to 10%.
<b>315836334</b>	0 to 10%.
<b>137732127</b>	21 to 30%.
<b>970804742</b>	21 to 30%.
<b>317585172</b>	0 to 10%.
<b>856509099</b>	21 to 30%.
<b>397184637</b>	More than 50%.
<b>140739952</b>	0 to 10%.
<b>456876408</b>	21 to 30%.
<b>496808455</b>	I don't know.
<b>317050089</b>	More than 50%.
<b>625312558</b>	21 to 30%.
<b>004396528</b>	0 to 10%.
<b>695627821</b>	I don't know.
<b>924747742</b>	11 to 20%.
<b>646173572</b>	41 to 50%.

ID	Response
<b>567517408</b>	0 to 10%.
<b>31574502</b>	11 to 20%.
<b>392401905</b>	I don't know.
<b>360167906</b>	41 to 50%.
<b>35220805</b>	11 to 20%.
<b>958162467</b>	21 to 30%.
<b>543592839</b>	I don't know.
<b>450720183</b>	I don't know.
<b>907883413</b>	0 to 10%.
<b>823218492</b>	21 to 30%.
<b>294555011</b>	11 to 20%.
<b>499773403</b>	11 to 20%.
<b>280649033</b>	21 to 30%.
<b>074340148</b>	41 to 50%.
<b>547562881</b>	0 to 10%.
<b>142292818</b>	I don't know.
<b>578645714</b>	More than 50%.
<b>199866328</b>	21 to 30%.
<b>209498746</b>	21 to 30%.
<b>35094704</b>	I don't know.
<b>905029633</b>	I don't know.
<b>349464375</b>	11 to 20%.
<b>329459705</b>	0 to 10%.
<b>275792361</b>	More than 50%.
<b>124470068</b>	41 to 50%.
<b>73229963</b>	0 to 10%.
<b>468250405</b>	11 to 20%.
<b>170744282</b>	0 to 10%.
<b>157793129</b>	0 to 10%.
<b>431167757</b>	I don't know.
<b>312100247</b>	21 to 30%.
<b>186985455</b>	More than 50%.
<b>979835806</b>	More than 50%.
<b>698778696</b>	11 to 20%.
<b>644330769</b>	I don't know.
<b>916796537</b>	0 to 10%.
<b>696745121</b>	11 to 20%.
<b>411408885</b>	41 to 50%.
<b>437628957</b>	I don't know.
<b>854617271</b>	21 to 30%.

ID	Response
<b>944044535</b>	31 to 40%.
<b>067136778</b>	0 to 10%.
<b>117021918</b>	11 to 20%.
<b>637083309</b>	0 to 10%.
<b>996237065</b>	More than 50%.
<b>755454051</b>	More than 50%.
<b>668268612</b>	21 to 30%.
<b>45999226</b>	0 to 10%.
<b>825015446</b>	I don't know.

Consolidated data for question 7.

0 to 10% = 17.

11 to 20% = 16.

21 to 30% 17.

31 to 40% = 3.

41 to 50% = 10.

More than 50% = 9.

I don't know = 14.

Figure 7 Chart for question 7.



## 8. In your estimate, how many PDF documents (not scanned documents) are untagged or not accessible?

ID	Response
136135094	I don't know.
908509606	41 to 50%.
026178587	11 to 20%.
151843519	0 to 10%.
010724517	More than 50%.
686707169	0 to 10%.
917556552	I don't know.
714979477	41 to 50%.
933515404	More than 50%.
262532437	41 to 50%.
103169257	0 to 10%.
227305531	41 to 50%.
955008758	I don't know.
146169214	31 to 40%.
704059713	21 to 30%.
280650367	More than 50%.
287704595	11 to 20%.
156180903	More than 50%.
060983465	11 to 20%.
473081746	41 to 50%.
509466991	31 to 40%.
387275173	0 to 10%.
315836334	I don't know.
137732127	More than 50%.
970804742	More than 50%.
317585172	11 to 20%.
856509099	41 to 50%.
397184637	I don't know.
140739952	41 to 50%.
456876408	41 to 50%.
496808455	31 to 40%.
317050089	More than 50%.
625312558	31 to 40%.
004396528	11 to 20%.
695627821	I don't know.
924747742	11 to 20%.
646173572	41 to 50%.

ID	Response
<b>567517408</b>	More than 50%.
<b>31574502</b>	More than 50%.
<b>392401905</b>	I don't know.
<b>360167906</b>	11 to 20%.
<b>35220805</b>	21 to 30%.
<b>958162467</b>	I don't know.
<b>543592839</b>	More than 50%.
<b>450720183</b>	More than 50%.
<b>907883413</b>	I don't know.
<b>823218492</b>	More than 50%.
<b>294555011</b>	41 to 50%.
<b>499773403</b>	0 to 10%.
<b>280649033</b>	More than 50%.
<b>074340148</b>	More than 50%.
<b>547562881</b>	More than 50%.
<b>142292818</b>	0 to 10%.
<b>578645714</b>	More than 50%.
<b>199866328</b>	More than 50%.
<b>209498746</b>	More than 50%.
<b>35094704</b>	More than 50%.
<b>905029633</b>	More than 50%.
<b>349464375</b>	I don't know.
<b>329459705</b>	41 to 50%.
<b>275792361</b>	21 to 30%.
<b>124470068</b>	More than 50%.
<b>73229963</b>	0 to 10%.
<b>468250405</b>	More than 50%.
<b>170744282</b>	More than 50%.
<b>157793129</b>	11 to 20%.
<b>431167757</b>	I don't know.
<b>312100247</b>	More than 50%.
<b>186985455</b>	More than 50%.
<b>979835806</b>	More than 50%.
<b>698778696</b>	31 to 40%.
<b>644330769</b>	More than 50%.
<b>916796537</b>	0 to 10%.
<b>696745121</b>	0 to 10%.
<b>411408885</b>	More than 50%.
<b>437628957</b>	11 to 20%.
<b>854617271</b>	41 to 50%.

ID	Response
<b>944044535</b>	I don't know.
<b>067136778</b>	0 to 10%.
<b>117021918</b>	More than 50%.
<b>637083309</b>	More than 50%.
<b>996237065</b>	I don't know.
<b>755454051</b>	More than 50%.
<b>668268612</b>	More than 50%.
<b>45999226</b>	More than 50%.
<b>825015446</b>	More than 50%.

Consolidated data for question 8.

0 to 10% = 10.

11 to 20% = 9.

21 to 30% = 3.

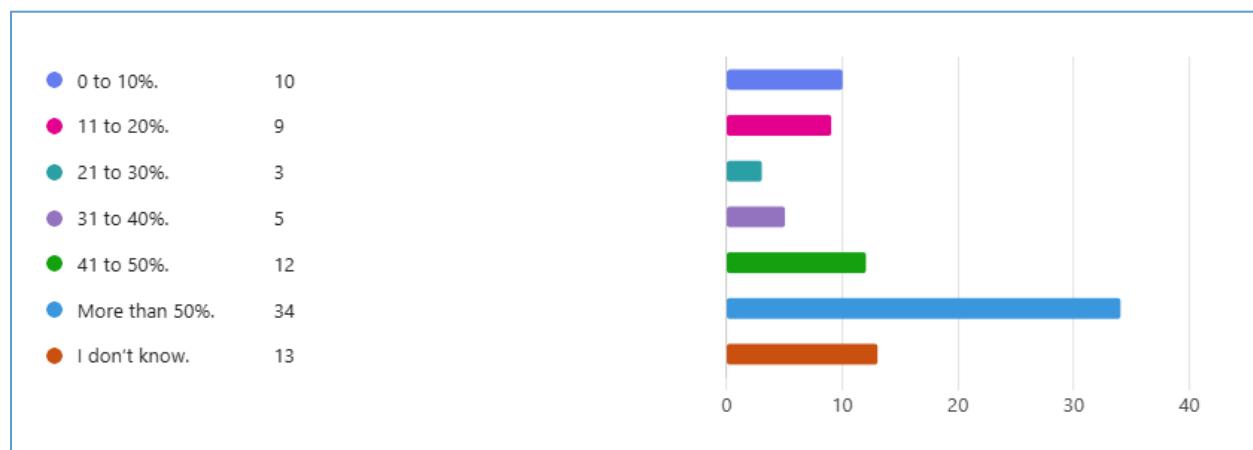
31 to 40% 5.

41 to 50% 12.

More than 50% = 34.

I don't know = 13.

Figure 8 Chart for question 8.



## 9. What is your estimate of how many tagged PDF documents you access are not tagged correctly

(You cannot read the contents of them logically or find content easily).

ID	Response
136135094	I don't know.
908509606	41 to 50%.
026178587	11 to 20%.
151843519	More than 50%.
010724517	More than 50%.
686707169	0 to 10%
917556552	0 to 10%
714979477	11 to 20%.
933515404	More than 50%.
262532437	More than 50%.
103169257	I don't know.
227305531	More than 50%.
955008758	I don't know.
146169214	41 to 50%.
704059713	21 to 30%.
280650367	41 to 50%.
287704595	21 to 30%.
156180903	More than 50%.
060983465	11 to 20%.
473081746	21 to 30%.
509466991	More than 50%.
387275173	11 to 20%.
315836334	I don't know.
137732127	11 to 20%.
970804742	11 to 20%.
317585172	21 to 30%.
856509099	11 to 20%.
397184637	31 to 40%.
140739952	I don't know.
456876408	41 to 50%.
496808455	21 to 30%.
317050089	31 to 40%.
625312558	11 to 20%.
004396528	21 to 30%.
695627821	I don't know.

<b>924747742</b>	0 to 10%
<b>646173572</b>	21 to 30%.
<b>567517408</b>	More than 50%.
<b>31574502</b>	More than 50%.
<b>392401905</b>	11 to 20%.
<b>360167906</b>	0 to 10%
<b>35220805</b>	41 to 50%.
<b>958162467</b>	41 to 50%.
<b>543592839</b>	More than 50%.
<b>450720183</b>	More than 50%.
<b>907883413</b>	I don't know.
<b>823218492</b>	More than 50%.
<b>294555011</b>	11 to 20%.
<b>499773403</b>	0 to 10%
<b>280649033</b>	21 to 30%.
<b>074340148</b>	31 to 40%.
<b>547562881</b>	More than 50%.
<b>142292818</b>	0 to 10%
<b>578645714</b>	21 to 30%.
<b>199866328</b>	More than 50%.
<b>209498746</b>	More than 50%.
<b>35094704</b>	More than 50%.
<b>905029633</b>	0 to 10%
<b>349464375</b>	0 to 10%
<b>329459705</b>	41 to 50%.
<b>275792361</b>	21 to 30%.
<b>124470068</b>	41 to 50%.
<b>73229963</b>	21 to 30%.
<b>468250405</b>	41 to 50%.
<b>170744282</b>	0 to 10%
<b>157793129</b>	0 to 10%
<b>431167757</b>	I don't know.
<b>312100247</b>	More than 50%.
<b>186985455</b>	More than 50%.
<b>979835806</b>	More than 50%.
<b>698778696</b>	41 to 50%.
<b>644330769</b>	More than 50%.
<b>916796537</b>	21 to 30%.
<b>696745121</b>	0 to 10%
<b>411408885</b>	I don't know.
<b>437628957</b>	21 to 30%.

<b>854617271</b>	More than 50%.
<b>944044535</b>	0 to 10%
<b>067136778</b>	0 to 10%
<b>117021918</b>	More than 50%.
<b>637083309</b>	More than 50%.
<b>996237065</b>	I don't know.
<b>755454051</b>	31 to 40%.
<b>668268612</b>	More than 50%.
<b>45999226</b>	More than 50%.
<b>825015446</b>	More than 50%.

Consolidated data for question 9.

0 to 10%

11 to 20%.

21 to 30%.

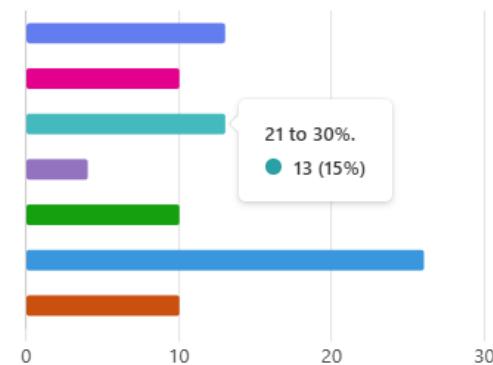
31 to 40%.

41 to 50%.

More than 50%.

I don't know.

- 0 to 10% 13
- 11 to 20%. 10
- 21 to 30%. 13
- 31 to 40%. 4
- 41 to 50%. 10
- More than 50%. 26
- I don't know. 10



## 10 I use the following adaptive technology on a Windows Based computer or device.

ID	Response
136135094	Screen Magnification.;
908509606	Screen Reader.;
026178587	Screen Reader.;
151843519	Screen Reader.;
010724517	Screen Reader.;Text-to-Speech;
686707169	Screen Magnification.;
917556552	I don't use adaptive technology.;
714979477	Screen Reader.;
933515404	Screen Reader.;
262532437	Voice Recognition.;Text-to-Speech;Screen Reader.;
103169257	Screen Magnification.;
227305531	Screen Magnification with Screen Reader.;
955008758	Text-to-Speech;Screen Reader.;
146169214	Screen Reader.;Text-to-Speech;
704059713	Text-to-Speech;
280650367	Screen Reader.;Text-to-Speech;
287704595	Screen Reader.;
156180903	Screen Magnification.;Screen Reader.;Screen Magnification with Screen Reader.;Screen Magnification with Screen Reading.;
060983465	Screen Reader.;
473081746	Screen Reader.;Screen Magnification with Screen Reader.;Screen Magnification.;Voice Recognition.;
509466991	I don't use adaptive technology.;
387275173	Screen Reader.;
315836334	Text-to-Speech;Screen Magnification.;
137732127	I don't use adaptive technology.;
970804742	Screen Reader.;Screen Magnification with Screen Reading.;
317585172	Screen Reader.;
856509099	Screen Reader.;Text-to-Speech;
397184637	Screen Reader.;Text-to-Speech;Screen Magnification.;Screen Magnification with Screen Reader.;Screen Magnification with Screen Reading.;
140739952	Screen Reader.;Text-to-Speech;
456876408	Screen Reader.;
496808455	Screen Reader.;
317050089	Screen Reader.;Text-to-Speech;
625312558	Screen Reader.;
004396528	Screen Reader.;Text-to-Speech;
695627821	I don't use adaptive technology.;

ID	Response
<b>924747742</b>	Screen Reader.;Text-to-Speech;Screen Magnification with Screen Reader.;
<b>646173572</b>	Screen Reader.;Text-to-Speech;
<b>567517408</b>	Screen Reader.;
<b>31574502</b>	Screen Reader.;
<b>392401905</b>	Screen Reader.;
<b>360167906</b>	Screen Reader.;Text-to-Speech;
<b>35220805</b>	Screen Reader.;
<b>958162467</b>	Screen Reader.;Text-to-Speech;Screen Magnification.;
<b>543592839</b>	Screen Reader.;
<b>450720183</b>	Screen Magnification.;Screen Magnification with Screen Reading.;
<b>907883413</b>	Screen Magnification.;Screen Magnification with Screen Reading.;Screen Magnification with Screen Reader.;
<b>823218492</b>	I don't use adaptive technology.;
<b>294555011</b>	Screen Reader.;
<b>499773403</b>	Screen Reader.;
<b>280649033</b>	Screen Reader.;Text-to-Speech;
<b>074340148</b>	Screen Reader.;Text-to-Speech;
<b>547562881</b>	I don't use adaptive technology.;
<b>142292818</b>	Screen Reader.;Text-to-Speech;
<b>578645714</b>	I don't use adaptive technology.;
<b>199866328</b>	Screen Reader.;
<b>209498746</b>	Screen Reader.;
<b>35094704</b>	Text-to-Speech;
<b>905029633</b>	Screen Reader.;Screen Magnification with Screen Reader.;
<b>349464375</b>	I don't use adaptive technology.;
<b>329459705</b>	Screen Reader.;
<b>275792361</b>	Screen Reader.;Screen Magnification.;Screen Magnification with Screen Reader.;
<b>124470068</b>	Screen Reader.;
<b>73229963</b>	Screen Reader.;Voice Recognition.;
<b>468250405</b>	Screen Reader.;Text-to-Speech;Voice Recognition.;
<b>170744282</b>	Screen Reader.;
<b>157793129</b>	Screen Reader.;
<b>431167757</b>	Screen Reader.;
<b>312100247</b>	Screen Reader.;
<b>186985455</b>	Screen Magnification.;Text-to-Speech;
<b>979835806</b>	Screen Magnification.;
<b>698778696</b>	I don't use adaptive technology.;
<b>644330769</b>	Screen Reader.;
<b>916796537</b>	Screen Reader.;Text-to-Speech;
<b>696745121</b>	Screen Reader.;
<b>411408885</b>	Text-to-Speech;Screen Magnification.;

ID	Response
<b>437628957</b>	Screen Reader.;Text-to-Speech;
<b>854617271</b>	Screen Reader.;
<b>944044535</b>	Screen Magnification with Screen Reader.;
<b>067136778</b>	Screen Reader.;Text-to-Speech;
<b>117021918</b>	Screen Magnification.;
<b>637083309</b>	Screen Reader.;Text-to-Speech;
<b>996237065</b>	Screen Reader.;Text-to-Speech;Voice Recognition.;
<b>755454051</b>	Screen Reader.;Text-to-Speech;
<b>668268612</b>	I don't use adaptive technology.;
<b>45999226</b>	Screen Reader.;Text-to-Speech;
<b>825015446</b>	I don't use adaptive technology.;

Consolidated data for question 1

Screen Reader.

Text-to-Speech

Screen Magnification.

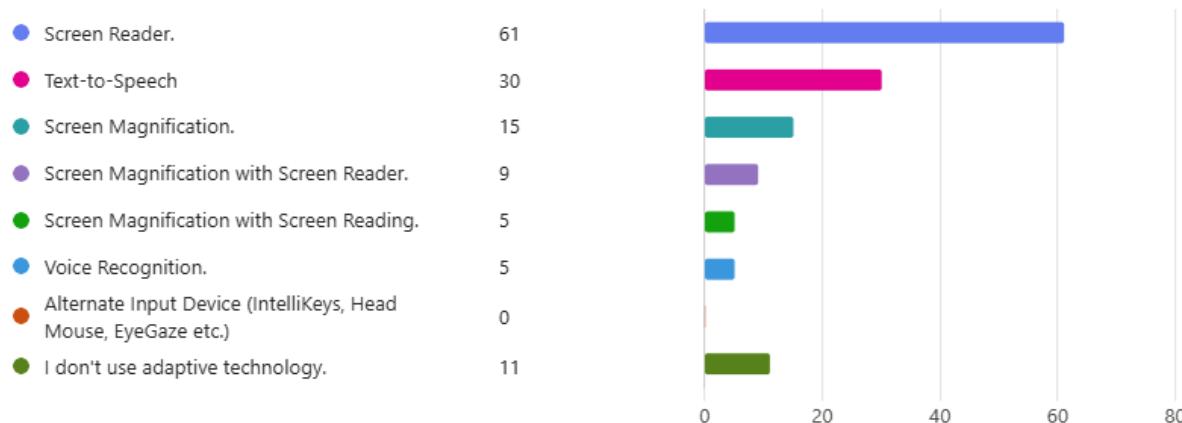
Screen Magnification with Screen Reader.

Screen Magnification with Screen Reading.

Voice Recognition.

Alternate Input Device (IntelliKeys, Head Mouse, EyeGaze etc.)

I don't use adaptive technology.





## 11. I use the following adaptive technology on a Mac or IOS device

ID	Response
136135094	I don't use adaptive technology on a Mac/IOS device.;
908509606	I don't use adaptive technology on a Mac/IOS device.;
026178587	Screen reader.;Voice recognition.;
151843519	Screen reader.;
010724517	Screen reader.;Text-to-Speech tool.;
686707169	Screen magnification.;
917556552	Screen reader.;Text-to-Speech tool.;Screen magnification.;Voice recognition.;
714979477	I don't use adaptive technology on a Mac/IOS device.;
933515404	Screen reader.;
262532437	I don't use a Mac or iOS device. ;
103169257	Screen magnification.;
227305531	Screen reader.;Voice recognition.;
955008758	Screen reader.;Text-to-Speech tool.;Voice recognition.;
146169214	Screen reader.;Text-to-Speech tool.;Voice recognition.;
704059713	Screen reader.;
280650367	Screen reader.;
287704595	Screen reader.;
156180903	Screen reader.;Text-to-Speech tool.;Voice recognition.;Screen magnification.;Screen magnification with screen reading.;Screen magnification with Text-to-Speech tools.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
060983465	I don't use adaptive technology on a Mac/IOS device.;I don't use a Mac or iOS device. ;
473081746	Screen reader.;Screen magnification with screen reading.;
509466991	I don't use adaptive technology on a Mac/IOS device.;
387275173	Voice recognition.;
315836334	Voice recognition.;Screen magnification.;Text-to-Speech tool.;
137732127	Text-to-Speech tool.;
970804742	Screen reader.;Text-to-Speech tool.;
317585172	I don't use a Mac or iOS device. ;
856509099	I don't use adaptive technology on a Mac/IOS device.;
397184637	Screen reader.;Text-to-Speech tool.;Screen magnification.;Screen magnification with screen reading.;Screen magnification with Text-to-Speech tools.;
140739952	Voice recognition.;Screen reader.;Text-to-Speech tool.;Screen magnification.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
456876408	Screen reader.;
496808455	I don't use a Mac or iOS device. ;

ID	Response
<b>317050089</b>	Screen reader.;Text-to-Speech tool.;
<b>625312558</b>	I don't use adaptive technology on a Mac/IOS device.;I don't use a Mac or iOS device. ;Screen reader.;
<b>004396528</b>	Text-to-Speech tool.;
<b>695627821</b>	Text-to-Speech tool.;Screen magnification.;Screen magnification with Text-to-Speech tools.;Screen magnification with screen reading.;
<b>924747742</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>646173572</b>	Screen reader.;Text-to-Speech tool.;
<b>567517408</b>	Screen reader.;
<b>31574502</b>	I don't use a Mac or iOS device. ;
<b>392401905</b>	Screen reader.;
<b>360167906</b>	I don't use a Mac or iOS device. ;I don't use adaptive technology on a Mac/IOS device.;
<b>35220805</b>	Screen reader.;Text-to-Speech tool.;
<b>958162467</b>	I don't use a Mac or iOS device. ;
<b>543592839</b>	Screen reader.;
<b>450720183</b>	Screen magnification.;Screen magnification with screen reading.;
<b>907883413</b>	Screen magnification.;Screen magnification with screen reading.;
<b>823218492</b>	Voice recognition.;Screen magnification.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
<b>294555011</b>	Screen reader.;Voice recognition.;
<b>499773403</b>	Screen reader.;
<b>280649033</b>	Screen reader.;
<b>074340148</b>	Screen reader.;Text-to-Speech tool.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
<b>547562881</b>	I don't use a Mac or iOS device. ;
<b>142292818</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>578645714</b>	I don't use a Mac or iOS device. ;
<b>199866328</b>	Screen reader.;
<b>209498746</b>	Screen reader.;
<b>35094704</b>	Text-to-Speech tool.;
<b>905029633</b>	Screen reader.;Voice recognition.;Screen magnification.;
<b>349464375</b>	I don't use a Mac or iOS device. ;
<b>329459705</b>	Screen reader.;
<b>275792361</b>	Screen reader.;
<b>124470068</b>	Screen reader.;
<b>73229963</b>	Screen reader.;Voice recognition.;
<b>468250405</b>	I don't use adaptive technology on a Mac/IOS device.;
<b>170744282</b>	Screen reader.;
<b>157793129</b>	Screen reader.;
<b>431167757</b>	I don't use adaptive technology on a Mac/IOS device.;I don't use a Mac or iOS device. ;

ID	Response
<b>312100247</b>	I don't use a Mac or iOS device. ;
<b>186985455</b>	I don't use adaptive technology on a Mac/IOS device. ;
<b>979835806</b>	I don't use a Mac or iOS device. ;
<b>698778696</b>	I don't use adaptive technology on a Mac/IOS device. ;
<b>644330769</b>	Screen reader.;Voice recognition.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
<b>916796537</b>	I don't use adaptive technology on a Mac/IOS device. ;
<b>696745121</b>	Screen reader.;
<b>411408885</b>	Text-to-Speech tool.;Screen magnification.;
<b>437628957</b>	I don't use a Mac or iOS device. ;
<b>854617271</b>	Screen reader.;Voice recognition.;
<b>944044535</b>	Screen reader.;
<b>067136778</b>	I don't use a Mac or iOS device. ;
<b>117021918</b>	Screen magnification.;
<b>637083309</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>996237065</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>755454051</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>668268612</b>	I don't use adaptive technology on a Mac/IOS device. ;
<b>45999226</b>	I don't use a Mac or iOS device. ;
<b>825015446</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;

Consolidated data for question 11.

Screen reader.

Text-to-Speech tool.

Voice recognition.

Screen magnification.

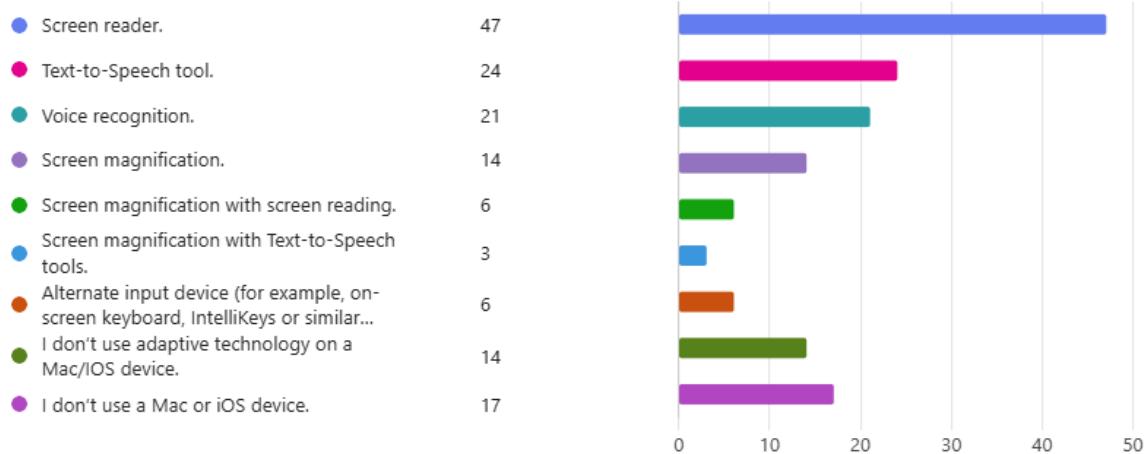
Screen magnification with screen reading.

Screen magnification with Text-to-Speech tools.

Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).

I don't use adaptive technology on a Mac/IOS device.

I don't use a Mac or iOS device.



## 12. I use the following adaptive technology on an Android/Google device

ID	Response
<b>136135094</b>	I don't use adaptive technology on an Android device.;
<b>908509606</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>026178587</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>151843519</b>	I don't use an Android/Google device. ;
<b>010724517</b>	I don't use adaptive technology on an Android device.;
<b>686707169</b>	Screen magnification.;
<b>917556552</b>	I don't use an Android/Google device. ;
<b>714979477</b>	I don't use an Android/Google device. ;
<b>933515404</b>	I don't use adaptive technology on an Android device.;
<b>262532437</b>	Text-to-Speech tool.;Voice recognition.;Screen magnification.;
<b>103169257</b>	Screen magnification.;
<b>227305531</b>	Screen reader.;I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>955008758</b>	I don't use adaptive technology on an Android device.;
<b>146169214</b>	I don't use an Android/Google device. ;
<b>704059713</b>	Screen reader.;
<b>280650367</b>	I don't use an Android/Google device. ;
<b>287704595</b>	I don't use an Android/Google device. ;
<b>156180903</b>	I don't use an Android/Google device. ;
<b>060983465</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>473081746</b>	Screen reader.;Voice recognition.;Screen magnification.;Screen magnification with screen reading.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
<b>509466991</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>387275173</b>	Screen reader.;
<b>315836334</b>	I don't use an Android/Google device. ;
<b>137732127</b>	I don't use an Android/Google device. ;
<b>970804742</b>	I don't use an Android/Google device. ;
<b>317585172</b>	Screen reader.;Voice recognition.;
<b>856509099</b>	Screen reader.;Text-to-Speech tool.;
<b>397184637</b>	Screen reader.;Text-to-Speech tool.;Screen magnification.;Screen magnification with screen reading.;Screen magnification with Text-to-Speech tools.;
<b>140739952</b>	Text-to-Speech tool.;I don't use an Android/Google device. ;
<b>456876408</b>	I don't use adaptive technology on an Android device.;
<b>496808455</b>	Screen reader.;

ID	Response
<b>317050089</b>	Text-to-Speech tool.;
<b>625312558</b>	I don't use an Android/Google device. ;
<b>004396528</b>	I don't use an Android/Google device. ;
<b>695627821</b>	I don't use an Android/Google device. ;
<b>924747742</b>	I don't use adaptive technology on an Android device.;
<b>646173572</b>	I don't use an Android/Google device. ;
<b>567517408</b>	I don't use an Android/Google device. ;
<b>31574502</b>	Screen reader.;
<b>392401905</b>	I don't use an Android/Google device. ;
<b>360167906</b>	Screen reader.;Text-to-Speech tool.;
<b>35220805</b>	Screen reader.;
<b>958162467</b>	Text-to-Speech tool.;Screen reader.;Screen magnification.;Screen magnification with Text-to-Speech tools.;
<b>543592839</b>	Screen reader.;I don't use an Android/Google device. ;
<b>450720183</b>	I don't use an Android/Google device. ;
<b>907883413</b>	Screen magnification.;Screen magnification with screen reading.;
<b>823218492</b>	I don't use an Android/Google device. ;
<b>294555011</b>	I don't use adaptive technology on an Android device.;
<b>499773403</b>	I don't use an Android/Google device. ;
<b>280649033</b>	I don't use an Android/Google device. ;
<b>074340148</b>	Screen reader.;Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).;
<b>547562881</b>	I don't use an Android/Google device. ;
<b>142292818</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>578645714</b>	I don't use an Android/Google device. ;
<b>199866328</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>209498746</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>35094704</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>905029633</b>	I don't use an Android/Google device. ;
<b>349464375</b>	I don't use an Android/Google device. ;
<b>329459705</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>275792361</b>	I don't use an Android/Google device. ;
<b>124470068</b>	I don't use an Android/Google device. ;
<b>73229963</b>	Screen reader.;Voice recognition.;
<b>468250405</b>	I don't use adaptive technology on an Android device.;
<b>170744282</b>	Screen reader.;
<b>157793129</b>	I don't use an Android/Google device. ;

ID	Response
<b>431167757</b>	I don't use adaptive technology on an Android device.;I don't use an Android/Google device. ;
<b>312100247</b>	Screen magnification.;
<b>186985455</b>	I don't use adaptive technology on an Android device.;
<b>979835806</b>	Text-to-Speech tool.;Screen magnification.;
<b>698778696</b>	I don't use adaptive technology on an Android device.;
<b>644330769</b>	I don't use adaptive technology on an Android device.;
<b>916796537</b>	Screen reader.;Text-to-Speech tool.;
<b>696745121</b>	I don't use an Android/Google device. ;
<b>411408885</b>	I don't use an Android/Google device. ;
<b>437628957</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>854617271</b>	Screen reader.;Voice recognition.;
<b>944044535</b>	I don't use an Android/Google device. ;
<b>067136778</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>117021918</b>	Screen magnification.;
<b>637083309</b>	I don't use an Android/Google device. ;
<b>996237065</b>	Screen reader.;Text-to-Speech tool.;Voice recognition.;
<b>755454051</b>	I don't use adaptive technology on an Android device.;
<b>668268612</b>	I don't use adaptive technology on an Android device.;
<b>45999226</b>	I don't use an Android/Google device. ;
<b>825015446</b>	I don't use an Android/Google device. ;

Consolidated dat for question 12.

Screen reader.

Text-to-Speech tool.

Voice recognition.

Screen magnification.

Screen magnification with screen reading.

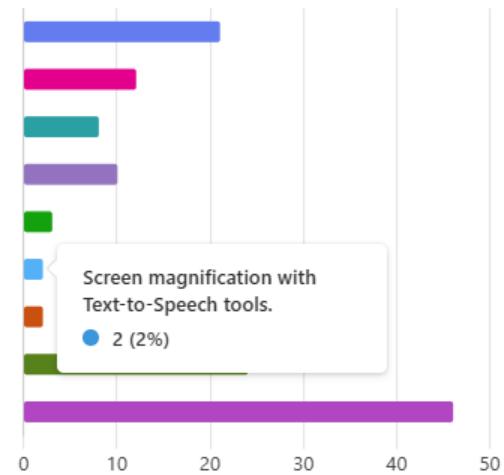
Screen magnification with Text-to-Speech tools.

Alternate input device (for example, on-screen keyboard, IntelliKeys or similar device).

I don't use adaptive technology on an Android device.

I don't use an Android/Google device.

Screen reader.	21
Text-to-Speech tool.	12
Voice recognition.	8
Screen magnification	10
Screen magnification with Text-to-Speech tools.	3
Screen magnification with Text-to-Speech tools.	2
Alternate input device (for example, on-screen keyboard, IntelliKeys or similar...)	2
I don't use adaptive technology on an Android device.	24
I don't use an Android/Google device.	46



### 13. List the specific devices do you read PDF documents on

ID	Response
<b>136135094</b>	Windows OS laptop, iPhone
<b>908509606</b>	My PC computer
<b>026178587</b>	Laptop and i phone
<b>151843519</b>	Mac book laptop
<b>010724517</b>	Windows 11 Lenovo mostly. Also iPhone 15.
<b>686707169</b>	iMac 24 inch,12 inch MacBook
<b>917556552</b>	MacOS (Mac Mini with 43" monitor) iPhone 14Pro Max iPad Air 2024 model
<b>714979477</b>	Windows 11 laptop and windows 7 laptop
<b>933515404</b>	windows computer, iphone
<b>262532437</b>	Windows 11 desktop, very occasionally on my phone (Google Pixel 6)
<b>103169257</b>	iPad, Google Pixel phone, Lenovo Computer (Windows)
<b>227305531</b>	Windows computer, iPhone
<b>955008758</b>	Lenovo PC with Windows 10 and iOS on iPhone 15
<b>146169214</b>	Primarily MAC Mini, iPhone and iPad
<b>704059713</b>	Lap Top PC Computer
<b>280650367</b>	My Braille Sense notetaker does the best job of all of my technology at opening and reading PDF files. My PC desktop and laptops are much less reliable at reading PDF files.
<b>287704595</b>	Macbook Air, iPad
<b>156180903</b>	iPad, iPhone, MacBook, iMac
<b>060983465</b>	I use them on my laptop.
<b>473081746</b>	Computer with windows, Mac computer, iPhone, iPad
<b>509466991</b>	iPhone 11 pro, windows laptop
<b>387275173</b>	I read them on my phone and my laptop.
<b>315836334</b>	MacBook, iPhone, desktop PC running Windows 10
<b>137732127</b>	Desktop
<b>970804742</b>	iPhone MacBook Pro
<b>317585172</b>	Windows PCs, Android Phones
<b>856509099</b>	Windows PC, and Apple iPhone
<b>397184637</b>	MAC, iPhone
<b>140739952</b>	windows laptop
<b>456876408</b>	I use a laptop computer and iPhone.
<b>496808455</b>	Laptop, mobile device.
<b>317050089</b>	Braillesense 6, iPhone
<b>625312558</b>	computer iphone

ID	Response
<b>004396528</b>	Usually via a braille display and a screenreader, but sometimes by the sole use of speech through the screenreader for reasons of speed.
<b>695627821</b>	Phone
<b>924747742</b>	desktop and labtop computers with jaws for windows and ipad and iphone using voice over
<b>646173572</b>	Windows PC with JAWS
<b>567517408</b>	Windows computer, iPhone, and Linux computer.
<b>31574502</b>	Pixel 8 Phone, Samsung Tablet, Vaio Laptop
<b>392401905</b>	PC
<b>360167906</b>	My laptop mainly.
<b>35220805</b>	PC with Windows 11; iPhone 13 Mini; Braille Sense 6.
<b>958162467</b>	PC Dell Laptop with Google Speech or other Zoom text readers
<b>543592839</b>	iPad
<b>450720183</b>	I use my iPhone, Mac, ipad and PC laptop to read PDF documents.
<b>907883413</b>	tablet
<b>823218492</b>	Ipad 9th generation,most up to date IOS
<b>294555011</b>	Pc, iPhone
<b>499773403</b>	laptop, iPhone
<b>280649033</b>	Windows 11 PC. iPhone 15 Pro. iPad Air.
<b>074340148</b>	iPhone with braille display and PC with braille display Android if necessary on my Pixel 7.
<b>547562881</b>	Phone; Apple laptop
<b>142292818</b>	laptop, iphone
<b>578645714</b>	laptop, desktop=Windows based DELL or HP Iphone
<b>199866328</b>	Laptop
<b>209498746</b>	Laptop
<b>35094704</b>	iPhone Call my Windows 11
<b>905029633</b>	Hp laptop, iphone, iPad
<b>349464375</b>	PC, iPhone 14, iPad
<b>329459705</b>	Windows Computer, iPhone 16 Pro
<b>275792361</b>	Laptop, iPhone
<b>124470068</b>	Windows Computer, Mac Computer, iPhone, iPad
<b>73229963</b>	Windows 11 PC, iPhone, iPad
<b>468250405</b>	my laptop and Apple mobile phone
<b>170744282</b>	iPhone, iPad
<b>157793129</b>	windows 10 laptop, iPhone, iPad, and braille sense notetaker
<b>431167757</b>	Currently: Windows 10 laptop. I may have encountered a PDF at some point in the past on my iPhone, but I don't have memory of that.
<b>312100247</b>	Laptop
<b>186985455</b>	Windows PC, Apple iPhone 11 Pro Max (iOs 18.2)

ID	Response
<b>979835806</b>	Lenovo Gaming Laptop Google Pixel Cell Phone Samsung Galaxy Tablet Roku smart tv
<b>698778696</b>	Windows PC, iPad, iPhone
<b>644330769</b>	iPhone, Windows laptop, and iPad occationally
<b>916796537</b>	Laptops and smart phone
<b>696745121</b>	iPhone and MacBook
<b>411408885</b>	Windows laptop, iPhone, iPad, CCTB
<b>437628957</b>	Google Pixel 8 Pro, Windows 10 computer desktop.
<b>854617271</b>	iPhone 12Pro with VoiceOver, Windows 11 with Jaws2024/2025
<b>944044535</b>	Asus Zen Book laptop, iPhone 14 Pro
<b>067136778</b>	My Windows PC and my Braille Sense tablets
<b>117021918</b>	Laptop and smart phone
<b>637083309</b>	Mac mini, windows laptop (win11)
<b>996237065</b>	mobile and laptop
<b>755454051</b>	iPhone
<b>668268612</b>	My MacBook Pro, Google Pixel 9 ProXL, and my Windows 10 Workstation
<b>45999226</b>	Windows computer
<b>825015446</b>	iPad/iPhone

## 14. List the applications you use to read PDF documents with

(For example, Edge Browser, Adobe Reader, Voice Dream Reader)

ID	Response
136135094	Adobe reader, OCR technology for text to speech
908509606	Adobe Reader
026178587	Edge and chrome browser
151843519	edge, Safari
010724517	Chrome browser and Adope Reader
686707169	Adobe,web browser pdf reader
917556552	Adobe Acrobat NaturalReader TTS Spoken Content feature on MacOS and iOS Kurzweil 3000 reader
714979477	MEdge, Jaws, Openbook and Kurzweil, use virtual scanning when the PDf only contains an image; often taken by Iphone
933515404	iphone quick pdf viewer, Acrobat Reader, Jaws assisted pdf reading tools
262532437	Most often: Acrobat Pro, Occasionally: Edge Browser (in Windows 11), Rarely: Chrome, Very rarely: Sumatra Reader, For work/testing purposes: Kurzweill 3000, Natural reader, Speechify
103169257	Adobe Reader
227305531	Edge browser, Adobe reader, Voiceover on iPhone
955008758	Adobe reader, edge, chrome, Thunderbird Firefox
146169214	Multiple
704059713	Adobe reader, Google Chrome, Micro Soft Edge
280650367	Adobe Qread
287704595	Adobe Reader, Mac Preview
156180903	Apple iOS preview; voicedream reader
060983465	Adobe Reader
473081746	Adobe pro
509466991	Adobe reader, Firefox browser, chrome browser, safari browser
387275173	I use Microsoft Edge.
315836334	Google Chrome, Firefox, masOS Preview, VoiceDream
137732127	Preview
970804742	Voice Dream Reader Preview Docuscan
317585172	Foxit Reader, Adobe Reader, Drive PDF viwer
856509099	Edge, Google Chrome and Adobe Reader.
397184637	Adobe Reader
140739952	ity with googlechrome,readaloudextension
456876408	Adobe

ID	Response
<b>496808455</b>	On a laptop, I use Adobe Acrobat Reader most of the time. Sometimes I also use Microsoft Edge or Google Chrome when Adobe Acrobat Reader is not working well for me. On a mobile device, I use many applications as per the different types of PDF and as per the preference of which application I want to use at that particular time with reference to the situation I am facing. I use the normal Google Drive. I also use InVision AI, an application called TechFreedom. And I think that's it.
<b>317050089</b>	Word processor on braille tablet, mail on iPhone, email on braille tablet, notes on iPhone, notepad on braille tablets, Safari and chrome on iPhone
<b>625312558</b>	adobe
<b>004396528</b>	Adobe acrobat reader.
<b>695627821</b>	Some type of screen reader
<b>924747742</b>	google chrome and safari
<b>646173572</b>	Adobe Acrobat reader Edge browser
<b>567517408</b>	Adobe, Firefox, and whatever the default app that opens it on the iPhone. Also Pandoc to convert into a better format like single-page text-only HTML.
<b>31574502</b>	Chrome Browser, Adobe REader, Envision AI app, TalkBack
<b>392401905</b>	Adobe reader
<b>360167906</b>	Adobe reader
<b>35220805</b>	Google Chrome; Voiceover; Keysoft; not sure what else.
<b>958162467</b>	Adobe Reader and sometimes Zoom Text
<b>543592839</b>	Safari
<b>450720183</b>	I use Preview, Adobe Reader, Adobe Acrobat, iBooks, and Voice Dream Reader
<b>907883413</b>	edge browser
<b>823218492</b>	None, too expensive
<b>294555011</b>	Adobe with the PC, voiceover with the iPhone, Microsoft Edge (often with poor results)
<b>499773403</b>	Adobe, PDF file
<b>280649033</b>	Adobe Reader
<b>074340148</b>	Safari on iOS and also whatever opens them in the Mail app. Windows is is Adobe Acrobat. Sometimes I use Convenience OCR with JAWS if people are too lazy to create a PDF with text.
<b>547562881</b>	Preview and adobe reader and in browser tools
<b>142292818</b>	Adobe,SCREEN READER VOICEOVER, jaws
<b>578645714</b>	Adobe, Edge
<b>199866328</b>	Adobe reader, Edge browser
<b>209498746</b>	Adobe reader, Edge browser
<b>35094704</b>	Chrome, Safari, Adobe reader
<b>905029633</b>	Adobe, google chrome pdf viewer, ios automatic pdf viewer
<b>349464375</b>	Adobe Reader
<b>329459705</b>	Adobe Acrobat Reader, Voiceover

ID	Response
<b>275792361</b>	Thorium, Google Chrome, Adobe Reader
<b>124470068</b>	Adobe Acrobat, QRead
<b>73229963</b>	Chrome browser, MS Word
<b>468250405</b>	Ms Edge, Fire Fox, JAWS, NVDA, Narrator
<b>170744282</b>	VoiceOver, Adobe Acrobat
<b>157793129</b>	Adobe voicedream
<b>431167757</b>	Adobe and Chrome
<b>312100247</b>	Adobe Acrobat Reader
<b>186985455</b>	Adobe Pro, Adobe Reader (web-based), Google Chrome, Microsoft Edge
<b>979835806</b>	Adobe Acrobat Google Chrome
<b>698778696</b>	Chrome, Adobe Reader, Adobe Pro
<b>644330769</b>	Word and Google Chrome
<b>916796537</b>	Sarthi, instar reader, n vision ai
<b>696745121</b>	Preview, apple books
<b>411408885</b>	Adobe, Edge, Google, Chrome
<b>437628957</b>	Adobe Acrobat, Google Chrome
<b>854617271</b>	Chrome, Voice Dream Reader, Adobe Acrobat, Safari, Jaws with scan to Word.
<b>944044535</b>	Adobe Reader, web browser
<b>067136778</b>	Edge browser and the Braille Sense's notepad
<b>117021918</b>	Adobe reader and google chrome
<b>637083309</b>	windows: foxit pdf app windows: firefox windows brave web browser Mac: safari web browser mac: google-chrome web browser mac: file viewer app mac: docuscan app mac: pdf to text mac: pdf to html free app mac pdf to text free app mac: preview app
<b>996237065</b>	Brave Browser (the only browser to support PDF tagging, a Chromium based browser), Voice Dream Reader (iOS), Adobe Acrobat.  Note: I hate that you have to turn on keyboard navigation on Mac to interact within the Adobe window. Users are locked out of documents unless this is turned on the Mac. This effects Safari, Apple settings, and Adobe Acrobat. This doesn't effect other third party browsers.
<b>755454051</b>	VDR SAI
<b>668268612</b>	Edge browser on all devices, Adobe Acrobat Pro DC, Preview on Mac, Google PDF viewer on Android, I test PDFs for accessibility with Adobe Pro, PAC
<b>45999226</b>	Edge browser

ID	Response
825015446	I use: Voice Dream Reader, Speech Central, Safari, the Files app on my Ipad or Iphone. I also use a braille display and put the PDF. on there. I've also had Envision, which is an OCR. app, try and do some OCR. on them. Sadly, this has not been great quality.

## 15. What are your positive experiences when accessing a PDF document?

ID	Response
<b>136135094</b>	I'm grateful when it's accessible and I can copy text directly from the PDF
<b>908509606</b>	Using JAWS OC scanner I can read them fluently
<b>026178587</b>	Ease to navigation
<b>151843519</b>	If tagged correctly, the Mac has ways of navigating the pages with some difficulty.
<b>010724517</b>	If it is a simple document I can read it and figure out the order it was intended to be read.
<b>686707169</b>	I have many positive experiences using PDFs. They should be easily accessible and enlarge le through programs or screen magnification.
<b>917556552</b>	When everything works correctly.
<b>714979477</b>	Reads fluidily when properly tagged.
<b>933515404</b>	If they work, that's great. They will hopefully act just like Word documents.
<b>262532437</b>	Been using PDF for decades so familiar "feel"
<b>103169257</b>	If they can be enlarged they are easy to read.
<b>227305531</b>	When it is tagged properly and privacy controls are set properly to allow screen readers to access the documents, my experience is mostly good. I especially like when I can use the Adobe reading feature within Edge instead of my screen reader. Sometimes, I use both to ensure I understand the logical pattern of the information.
<b>955008758</b>	I like JAWS on the PC having the ability to scan and translate a PDF document.
<b>146169214</b>	More so reading it within a web browser environment
<b>704059713</b>	Whenever OCR scans are 100W% accurate
<b>280650367</b>	When I can get them to open. Reading PDF files in braille on my notetaker.
<b>287704595</b>	Most PDFs are easy to access an read with the necessary technology. They are easy to navigate and gain information from.
<b>156180903</b>	I have a usable amount of vision, and PDFs allowed me to enlarge text to my liking, because they are in a digital format. When they are accessible, I am able to have 'voicedream reader' read them to me auditorily So that I do not have to strain my eyes
<b>060983465</b>	Most of them are not ositive especially if it is an image PDF.
<b>473081746</b>	Who is the screen readers new OCR it even makes non-accessible PDF accessible. When the PDF is correct I can use all my accessibility tools.
<b>509466991</b>	When a pdf form is equipped with text input boxes so the form can be completed without the need to print it.
<b>387275173</b>	It has been very accessible using my technology.
<b>315836334</b>	When it understands multiple columns correctly.
<b>137732127</b>	None
<b>970804742</b>	Sometimes, even when untaged, some pdf's are sort of readable if I can understand things in context, but I need to take the time to sort them our.
<b>317585172</b>	When done well, it gives me access to information that would be hard to get another way. When well laid out and tagged, it can be a joy to use.

ID	Response
<b>856509099</b>	When properly coded, the documents are easy to read and are very useful.
<b>397184637</b>	PDF documents can't be modified, unlike word documents
<b>140739952</b>	it varies from pdf document to pdf document
<b>456876408</b>	That I can read it without difficulty.
<b>496808455</b>	I have only had positive experiences with PDFs on my phone. I think that if we open PDFs using the InVision AI application, it becomes easier for us to read PDFs, as we can either play the PDF and listen to it, or we can read PDFs just like we would a webpage. Similarly, the Document AI feature in the TechFreedom app helps a lot. On computers, there are not many positive experiences I have had with PDFs.
<b>317050089</b>	When documents are read fully in the correct order and cleanly, when documents are easily viable. Scanned documents, which are untagged are not blank when tagged have all of their details available.
<b>625312558</b>	sometimes I can read them
<b>004396528</b>	When properly converted, it is a way to read a book/article prepared for the general public with no option for alteration.
<b>695627821</b>	Having it read to me
<b>924747742</b>	very positive
<b>646173572</b>	When a PDF is properly marked up it is very easy to read. Headings and tables can be very effective. Even properly prepared forms work well with Adobe Acrobat.
<b>567517408</b>	I cannot think of any.
<b>31574502</b>	I usually can eventually make my way through it with sighted help. With my cell phone, ENvision AI generally reads them pretty well if the format is simple text, not in columns
<b>392401905</b>	Just being able to read it is a major improvement over the times when it was inaccessible.
<b>360167906</b>	I can read the document and its links. It will work and I can just use it.
<b>35220805</b>	It is sometimes easier, especially when the forms and documents are tagged appropriately. Using Adobe on its own is useless and I ignore all of their advertisements. It is miserable to try to create a PDF document. I consider that without a doubt, PDF documents to read or create still have a very long way to go. We tried to create a PDF application and gave up on it. Writing my notes using PDF is so frustrating that I have put it off and missed deadlines. I have given up on reading important documents because it is just too painful and takes too much energy.
<b>958162467</b>	Can get the information I need from an instructor faster than waiting for a copy of a print textbook in accessible format.
<b>543592839</b>	I'm happy when it works
<b>450720183</b>	Positive is that the content can be magnified, Less paper bulk to carry around.
<b>907883413</b>	-
<b>823218492</b>	Macs are making it easier
<b>294555011</b>	IF the document is properly formatted, it is often quite easy to read. I recently used PictureSmart with JAWS to ask Chat gPT and Claud to read an extremely inaccessible PDF and, hit this instance, that worked pretty well.

ID	Response
<b>499773403</b>	I am able to read it smoothly
<b>280649033</b>	Great way to access content. Properly tagged PDFs are easy to read and work a lot like webpages with headings and other navigation elements.
<b>074340148</b>	When done right, reading a PDF document can be nice enough, but there's nothing special about it.
<b>547562881</b>	Not a huge issue
<b>142292818</b>	EASE OF INITIATING READING, READING STARTS UPON OPENING DOCUMENT.
<b>578645714</b>	none
<b>199866328</b>	When there is a heading structure, logical content, and accessible hyperlinks.
<b>209498746</b>	When there is a heading structure, logical content, and accessible hyperlinks.
<b>35094704</b>	When they work right?
<b>905029633</b>	When I open the pdf and don't need to use ocr or transcribe through ms word or robo braille. More pdfs are properly tagged. As a college student, I come across many pdfs
<b>349464375</b>	Documents that come from Word, PowerPoint etc. are typically easy to read. Documents that are reports that have been created with high contrast are easy to read.
<b>329459705</b>	I like it when a document reads in proper order. If the document is a form, I like it when I can complete the various fields by tabbing to them.
<b>275792361</b>	I can use shortcut key to browse headings, go direct to a specific chapter by clicking the hyperlink in the table of content.
<b>124470068</b>	After setting the preferences in Adobe Acrobat to 2 page continuous, Reading the whole document and inferring reading from document.
<b>73229963</b>	When the pdf has proper headings, links, tables, table of contents
<b>468250405</b>	When properly formatted and tagged, it is possible to get through a simple document, however tables and nested table are horrific Furthermore I do not like to read long pdf documents, I prefer word where I have more interaction with the document.
<b>170744282</b>	Easy Access to content.
<b>157793129</b>	When the document just opens and reads without having to arrow through long lists of thumbnail pages
<b>431167757</b>	Not sure I understand the question, but I have been able to access receipts, manuals, user/member guides, etc. The positive thing is I had pretty good access to the information, but it isn't always the most pleasant experience.
<b>312100247</b>	If the reader can navigate the whole document in order, alt-text is included, links are active,
<b>186985455</b>	Easy to send via email. Provides slightly more protection from accidental editing in it's standard form. Has more advanced accessibility options than a Word document.
<b>979835806</b>	It's easy to edit documents and combine documents. The ability to sign documents is great, although it could be improved by being able to save more than one signature for households that use one computer. The Chrome extension is an easy-to-use addition to the web browser.
<b>698778696</b>	Easily searchable
<b>644330769</b>	I can efficiently navigate through documents on my phone or computer, and if I am required to fill something out, I can do all of that 100 percent.

ID	Response
<b>916796537</b>	Most of pdf I can read
<b>696745121</b>	They are very easy to read in preview or Apple Books and if they are accessible, then they are easy to navigate
<b>411408885</b>	Ability to easily share documents.
<b>437628957</b>	I enjoy being able to read a PDF document.
<b>854617271</b>	A CIL which employs someone knowledgeable about PDF access has produced PDFs which can be easily accessed using tab/shift-tab.
<b>944044535</b>	not many
<b>067136778</b>	Very easy to access and pretty straightforward for the most part.
<b>117021918</b>	Loads very fast and does not lag
<b>637083309</b>	when accessible, relatively easy. when properly indexed, easy
<b>996237065</b>	That Adobe will auto tag documents for you.
<b>755454051</b>	Reading accessible documents
<b>668268612</b>	
	The only positive movement toward accessible PDFs is the OER textbook space where companies like OpenStax and OER Commons are putting out fully tagged properly readable PDFs for students that cost nothing. Even the best of them still have errors, undescribed visuals or descriptions that don't provide the needed information about complex data visualizations.
<b>45999226</b>	Some pdf documents are okay
<b>825015446</b>	No positive experience

## 16. What are your negative experiences when reading PDF documents?

ID	Response
<b>136135094</b>	I often get inaccessible files that are scans or are locked in some way that I can't highlight, copy, or manipulate text.
<b>908509606</b>	I cannot navigate around the document easily or fill in information as may be requested.
<b>026178587</b>	If there are images or hand written text the adaptive tech does not work
<b>151843519</b>	The Mac has never been great at PDF. However with this survey I hope it improves. The ways in which to navigate are clunky.
<b>010724517</b>	Adobe Reader will rarely read the PDF. If it is a fillable form, it does not work properly. In Chrome I cannot fill out the form. I normally have to resort to workarounds to complete the form, such as cut and paste into Word, fill it out, and save as PDF. You lose all the original formatting
<b>686707169</b>	Text not big enough
<b>917556552</b>	When they are not tagged properly
<b>714979477</b>	Adobe updates so often that the interface with windows browser must be constantly reset. Often adobe updates conflict with microsoft settings and can't be corrected as adobe doesn't always touchbase with microsoft before making changes by adding or removing settings. Often interferes with security settings when used in work environment.
<b>933515404</b>	I've taken to calling Adobe Adobully, since they've bullied their way into the workspace and not given screen readers access to their underlying structure for more than ten years. Word documents just work, while most pdf documents are a struggle. I get a pdf into Word or plain text as quickly as possible if it can't be accessed with Acrobat first off.
<b>262532437</b>	Reflow, even when seemingly tagged correctly, does not always work well.
<b>103169257</b>	Documents that cannot be enlarged or converted.
<b>227305531</b>	Too many of the documents are locked or marked private, which prevents screen readers from accessing them. Some are designed with visual aspects (check boxes, tables inside text, etc.) which makes it very hard to understand the content. Some advanced documents have graphics included with no tagging, which makes the document almost unusable, depending on the text content accompanying it.
<b>955008758</b>	having nothing read aloud, as if the document didn't exist with screen readers
<b>146169214</b>	Reading files that are images
<b>704059713</b>	Whenever OCR scans produce incoherent text.
<b>280650367</b>	Not getting them to open. Having the information so badly scrambled that I cannot make much sense of it. Having no tagging to allow for reasonable formatting of the information.
<b>287704595</b>	Scanned documents are difficult to read.

ID	Response
<b>156180903</b>	Often times the text in the PDF will be unreadable to a screen reader or to VoiceDream reader. When this happens, the screen-reader/reader application will read off letters or numbers that do not compose words. This interrupts the reading, makes it incoherent, and/or makes the text unreadable overall. Other times, the pdf will not be tagged properly so the screen-reader:reader application will jump around the page, causing the words not to be read in proper order.
<b>060983465</b>	A lot of times even if they are tagged they come across in columns. I have never learned how to read with columns. I also have not figured out what program to use to read image PDFs.
<b>473081746</b>	When you try to add a signature or add a stamp, there is no way to tell where you are putting it or get to the place that you need to put it. It will not speak
<b>509466991</b>	Adobe's intrusive advertising
<b>387275173</b>	That I have to convert it into a word document to print it.
<b>315836334</b>	Scanned PDFs that OCR can't handle, infographics with complex layout, and anything where I can't select text to have it read aloud.
<b>137732127</b>	Adobe Acrobat Pro DC cannot use text to speech on a Mac. It is a definite downgrade from the previous version.
<b>970804742</b>	If pdf's are pictures, even when using someting like Docuscan, they must be interpreted.
<b>317585172</b>	Normally scanned documents not being readable until OCR, which is not always correct. Also forms. Forms are usually a pain.
<b>856509099</b>	I may need assistance from a sighted person to understand the document.
<b>397184637</b>	Sometimes they don't come through correctly
<b>140739952</b>	screen reader canotconvertthetexttospeexc=ch
<b>456876408</b>	That there are a lot of graphics and I have to use OCR to scan the PDF.
<b>496808455</b>	Sometimes, I try to convert PDF to Word document. While doing this, PDFs do not get converted properly. Some text gets cropped, and the PDF is not structured properly, meaning in terms of heading levels. It is difficult for us to find and navigate through different chapters easily. While using Adobe Acrobat Reader, some keyboard shortcuts do not work sometimes. All keyboard shortcuts work, but in some cases, the app stops responding, the page does not change, and we are not able to access specific page numbers or find specific block of text. In case of using PDFs in Microsoft Edge or Google Chrome, in Google Chrome, it only says that the PDF is being converted to text, but I don't know whether the PDF is available over there visually or not. In case of Microsoft Edge, the PDF comes properly, we are able to access specific page numbers, but when lines, sentences, or paragraphs end, the screen reader still continues reading, and the clicking of the up arrow or the down arrow button is not well defined, meaning it does not stop when a specific para ends or a specific sentence ends, it stops at random, and I don't know how this works. These are the issues I face while reading PDFs. Also, while trying to access specific page numbers in browsers, sometimes we are unable to find a particular page.

ID	Response
<b>317050089</b>	Far too many PDF, whether tagged or un tagged, cannot be read in the correct order. This is especially true for documents that are written in columns. PDF documents are not as easily readable as Microsoft Word one should not have to use Adobe reader or any other special app in order to read PDF they should just be readable automatically And all PDF should be accessible. I think that PDF applications are disgraceful and have been very difficult to use, and I think that PDF application producers have been very lax when it comes to accessibility despite their claims.
<b>625312558</b>	sometimes I can't read them
<b>004396528</b>	<p>1. If accessed, text is not always set in a logical and readable form which makes it useless.</p> <p>2. When columns apply, a screen reader does not always pick the right sequence.</p> <p>3. Most important, for a blind scholar like myself, a book/article in pdf means I can not follow footnotes at their appropriate place, as sighted users do, because there is no way in a pdf document to allow a blind person read notes which are placed at the bottom of a page, at their correct place. This makes reading them senseless.</p>
<b>695627821</b>	The screen reader for my computer reads everything but the actual text of an email. It is virtually useless.
<b>924747742</b>	i have had no negative experiences when reading PDFS
<b>646173572</b>	<p>Often very poor formatting such as:</p> <p>Words run together</p> <p>Spaces in the middle of words</p> <p>Missing heading indications</p> <p>Each line of the file identified as a heading</p> <p>Tables not identified as such, for example, a table of contents where all titles are listed first followed by all page numbers!</p>
<b>567517408</b>	Lack of structure, inefficient interface with keyboard shortcuts that do not follow web browser conventions, slow reaction from interface/computer, and frustration with surprises like scanned images or entirely invisible portions of the document.
<b>31574502</b>	Difficulty with dark mode, check boxes not working with screen reader, text input does not roll over to the next line automatically, form fields not tagged, cursor location often not read aloud,
<b>392401905</b>	When I can't read it and don't know why.
<b>360167906</b>	If they are images they may or may not work as they are but I have alternative apps I can use if I need to.
<b>35220805</b>	Documents are difficult to read no matter how I try to format the reading style. Scanned documents are the worst, but if the documents are not properly tagged, it is just as inaccessible and more frustrating because I think they are accessible until I read them and they aren't. Forget creating accessible PDF documents. It takes too much energy, starting over, and changes cannot be made without messing up everything I've done.
<b>958162467</b>	Glare of print can't copy information, hard to scroll and find specific content, not enough spacing between words on the page.
<b>543592839</b>	Having voice over freeze and the program crashes my screen.

ID	Response
<b>450720183</b>	Navigation is lousy at times for long documents and forms, Links do not work (website, web conferencing), Inputting text is not easy to see does not magnify or pan properly. When a sender uses encryption services these are not accessible which makes it impossible to open a PDF.
<b>907883413</b>	search for the next row
<b>823218492</b>	Requires expensive software for simpler experiences
<b>294555011</b>	some of them are completely inaccessible, some I can read, but the columns are not rendered in a meaningful way which makes them just about useless. Sometimes I find that links don't seem to activate, and it is often difficult to move from page to page.
<b>499773403</b>	scanned images that cannot be recognized, words without spacing, improper order
<b>280649033</b>	When using adobe Reader, the dialog box used to indicate if tags should be added doesn't always get focus, making it difficult to use with a screen reader. PDF forms are tricky and rarely work well with access technology.
<b>074340148</b>	When people do not create the documents so that they are accessible. Some of this comes from ignorance, but some also is Adobe's fault for putting the accessibility creation tools behind a paywall. Yes, there are other tools which can create PDF files that are accessible, but this strongly sends the wrong message. I never use PDF unless I have no choice because they are charging to make their documents accessible. That must violate some US law somewhere, right?
<b>547562881</b>	Making them accessible for others is very hard with existing tools
<b>142292818</b>	DIFFICULTY STARTING THE PROCESS IN SOME CASES.iF aDOBE DOES NOT START AUTOMATICALLY IT CAN BE FRUSTRATING.
<b>578645714</b>	untagged out of order
<b>199866328</b>	PDF image formatted content, unformatted content relationships, unformatted tables, and images without descriptions.
<b>209498746</b>	PDF image formatted content, unformatted content relationships, unformatted tables, and images without descriptions.
<b>35094704</b>	When they don't work at all
<b>905029633</b>	Trying to read the pdf in adobe then with ocr then in ns word and then needing robo braille to create an accessible version, with a resultant document that has typos and weird formatting I have the most trouble if documents are scanned and we're not originally text.
<b>349464375</b>	When it is a poor quality scan it is difficult to visually see the text.
<b>329459705</b>	I don't like forms I can't complete independently. I don't like reading scanned documents when the scans are inaccurate. I don't like reading documents out of order.
<b>275792361</b>	Difficult to read the information contained in the header and footer section of a page (especially journal articles), difficult to know the page number of the original text (especially a cut out of a certain part/section/chapter of an article or a book).
<b>124470068</b>	Documents which are scanned present a challenge that JAWS will with OCR not read the entire document or that the OCR is incorrect and major parts of the document are missing.
<b>73229963</b>	I can not fill-in fillable pdf documents using a screen reader

ID	Response
<b>468250405</b>	Tables and Nested tables are horrific, but I think pdf forms can be even worse if not done properly.
<b>170744282</b>	Content not available
<b>157793129</b>	opening a document and hearing the screen reader say "blank" because the file has been saved as an image instead of text
<b>431167757</b>	Tonight I opened a PDF that was very long and packed with information that was probably visually easily navigated through tables/graphs. It was results of a survey that hundreds of people completed. I found it difficult to accurately identify percentage results, and the text surrounding the percentages; it was like the words "yes" and "no" were present with percentages (I think), but the problem is the question that I thought was associated to a the percentages was not a yes/no question. Also, comments didn't always apply to the question I thought I was viewing results for. In the past, I hated that manuals showed text scattered all over the place; my guess is that is what happened with the survey results. When reading a manual for a device, I frequently encountered parts of a sentence on different lines/areas of the document. I would expect that was a scanned image, but not sure how I would know for sure, and thus why I couldn't answer prior questions. I mean, sometimes I know, because JAWS lets me know it is an image and asks if I'd like it to be converted...then reads it to me.
<b>312100247</b>	Not able to read entire document, not tagged correctly, no alt-text, no links, FORMS that don't make sense and are difficult to understand what is being read (financial spreadsheet) or what I am being asked to fill in.
<b>186985455</b>	Lack of formatting and accessibility. The accessibility tools are severely lacking in terms of capacity and accuracy. They are also prone to glitching and corrupting files.
<b>979835806</b>	The amount of pop-ups can make working in Adobe difficult. Having symbols with no titles for functions makes it difficult to recognize and locate the needed button. Sizing and spacing are often VERY difficult to maneuver. The fact that the display is all white with very little contrast is difficult for individuals with visual difficulties.
<b>698778696</b>	Scanned documents
<b>644330769</b>	In college, most of the pdf documents were pictures and rotated visually so the screen reader I use on the computer (Jaws) will only say "unlabeled graphic.). Sometimes, text fields and check boxes are unlabeled and text cannot be transferred correctly into Word.
<b>916796537</b>	Some lines have changed also photo pdf difficult to to read
<b>696745121</b>	Sometimes some PDFs are not accessible, especially when it is scanned or sometimes the blocks of texts are in the wrong order
<b>411408885</b>	Will not change to high-contrast. To bright to read when not in high-contrast. Read aloud feature often will not work.
<b>437628957</b>	When the PDF is not readable.
<b>854617271</b>	Sometimes, text is read out 1 letter at a time or the text is read out of order. Recently I've noticed screen reader jumpin back to the beinnin. Multiple raphical symbols used for layout or decoration cause screen reader to say "raphic" repeatedly. PDF forms include imporperly labeled fields or simply can't be accessed at all.

ID	Response
<b>944044535</b>	inaccessibility
<b>067136778</b>	Some of them are very jumbled and are harder to make sense of.
<b>117021918</b>	Lack of tagging and does not open on every browser and corrupted pdf
<b>637083309</b>	scanned image PDF docs not accessible at all. no workaround for this! when not properly formatted, makes it difficult to almost impossible to find required info.
<b>996237065</b>	<p>On Mac: Users are locked out of PDF's until proper configurations are corrected. Preview are alternatives, as well as browsers, but browsers tend to strip PDF tags when displayed in browsers with only searchable text available.</p> <p>On PC: PDF's auto open in browsers, which strip tags from PDF's, with the exception of Brave browser.</p> <p>On Android: Content doesn't reflow, PDF's should be banned for this reason.</p> <p>On iOS: Content doesn't reflow, PDF's should be banned for this reason.</p>
<b>755454051</b>	Format issues
<b>668268612</b>	I provide accessible format materials for students with visual disabilities at a large community college. Even when publishers do format their PDF textbooks for accessibility they use non-standard methods, but I would say 50% of publisher PDFs are still lacking in full image descriptions, correct page numbers, headings and proper reading order. The PDFs used in the higher ed space that are generated internally are worse, about 90% are untagged or not tagged properly. For STEM content that includes technical notation, it is worse, with only the rare exception containing readable math, chemistry or other technical notations. PDF forms are rarely set up with readable form fields. PDFs are so often inaccessible, most individuals with disabilities aren't even aware that it is possible to read a PDF with assistive technology when it is set up correctly.
<b>45999226</b>	Sometimes I need to use jaws ocr to read them, and this doesn't always work.
<b>825015446</b>	Sadly, I've had more negative experiences with PDF. files. They've either been somewhat accessible, inaccessible, or they've only worked on one device, or, the file would be so bad, it was hard or impossible to read it! I never know what I will get when receiving PDF. files. I often have needed to request ADA. accommodations and was either denied or only given 50% or less of what was needed. Instead, I had to get a good friend of mine to pick up the slack, and give me the extra support I require. Often times, the people, agencies, organizations, etc, that make PDF. files have no idea what they're doing, among other things, and, it falls on people like me to teach them. I've also seen it where people, agencies, organizations, etc, make a big to-do saying they'll do better, thank you for your feedback, say they'll reach out to you for follow-up. But, they don't.

## 17. What would improve the accessibility of PDFs? Please be specific.

ID	Response
<b>136135094</b>	The ability for all PDFS to be easily read by OCR and allow for copying text/ text manipulation. I often need to resize print for my students, but about 30% of the time, what teachers send can't be easily manipulated. We either find a different/accessible copy, use additional technology to access, or retype the document.
<b>908509606</b>	Allowing me to search within documents and to complete forms.
<b>026178587</b>	None
<b>151843519</b>	Labeled headings, not just page numbers, list boxeds you can move around. Also easy text boxes to fill in say a signautre.
<b>010724517</b>	It should behave more like HTML. The Adobe Reader should be tested extensively with screen readers especially on Windows. Alternatively an application other than Adobe Reader could be used to fill out fillable PDF. It would be great if there were validators for PDF that could be used to help authors of PDF. If they already exist, it seems like they are not working.
<b>686707169</b>	Bigger text.
<b>917556552</b>	Not sure
<b>714979477</b>	More up front prompts for those creating the documents on how to make accessible. Adobe consulting with other product owners to resolve conflicts before launching updates. Partnering within the industry.
<b>933515404</b>	If Adobe would again work with screen reader manufacturers to allow access to their underlying technical structure, I believe the accessibility could be much improved. Instead, the screen reader creators have had to make their own workarounds, which are great, but they shouldn't have had to do this. If a pdf could just work like a Word document, that would be great.
<b>262532437</b>	Ban them other than for print purposes - I'm only half joking. They can be made "mostly" accessible, but that last 10% makes them a pain. Furthermore, I feel like the continued presence of PDFs discourages content creators from actual thinking about things from a semantic/info architecture standpoint. I vastly prefer HTML/EPUBs; I wish people would compose in Markdown and then export to HTML-based formats (and use PDF as a supplement only for print production). HTML is vastly superior in so many ways when it comes to accessibility. (Full disclosure: I work in accessibility/document remediation and deal with academic materials.)
<b>103169257</b>	Being able to convert to another format such as Awesome note on an iPad.

ID	Response
<b>227305531</b>	The default for ALL documents should be to make the content accessible via screen readers. The creator should not have to take action with settings to make content available to screen readers. Adobe should be able to keep the content protected while doing this. Adobe should also actively tell document designers what aspects of their documents are of low accessibility. For example, they should present to the user while they are creating or saving a document that they forgot tags on items, have a complex design that screen readers can't interpret, or other low-quality designs. Adobe should provide screen reader consumers the ability to turn on accessibility features so we can at least listen to the text content of a protected document.
<b>955008758</b>	having makers of the documents, understand the issues with accessibility and develop them with that in mind
<b>146169214</b>	Readers to automatically offer to create an OCR version of image if content not found
<b>704059713</b>	Better OCR results.
<b>280650367</b>	Better success by standard tools to read PDFs An easier process for those creating PDF to allow them to make the PDF accessible so the creator doesn't need to have a PHD in PDF. The process should be easier and intuitive with a simple step-by-step process.
<b>287704595</b>	Scanned PDFs are usually the issue of accessibility, so fewer scanned documents or a method of screenreader that can read scanned documents would improve accessibility a great deal.
<b>156180903</b>	It would be most helpful if the alt text for PDFs matched the text on the page and for proper tags to be put in so that the screen reader or application does not jump around to random, non-consecutive words. The text must be accurately translatable for the Screen reader/reader application.
<b>060983465</b>	If there were not any image PDFs or nontagged PDFs.
<b>473081746</b>	More actual hot keys. Especially for tools like ocr. Signing should be able to be accomplished with the keyboard and read
<b>509466991</b>	Using AI to recognize and tag content automatically.
<b>387275173</b>	To improve how easy they are to use screen readers.
<b>315836334</b>	A very simple test is simply to select all, then copy, then paste into a plain text editor. If what you get is not all the text, in order, then it fails.
<b>137732127</b>	Improved OCR and being able to use text to speech with Adobe products.
<b>970804742</b>	Proper tagging, proper table creation.
<b>317585172</b>	Better form support. Most of the form tools I've used have been annoying to use. Not accepting ctrl + backspace to delete words, for example. Also, having built-in OCR in a PDF app, that doesn't cost a bunch would be super helpful, especially if it would be possible to edit the text layers, in case of flawed recognition.
<b>856509099</b>	Ensuring that writers of PDF documents checked them for accessibility before publishing.
<b>397184637</b>	I don't know
<b>140739952</b>	all pdfs should be able to use all screen readers

ID	Response
456876408	If there were regulations in place that mandate that all PDF have to be accessible. If there would be in place a system to make sure that they are accessible before they are publish.
496808455	Very small little initiatives could improve the accessibility of PDFs. While structuring PDFs, just make sure to use heading levels properly. For example, use heading level 1 for chapters. Use heading level 2 for subtopics within chapters. And if there are subtopics within those topics, use the heading level 3 and so on. Adding alt text to images which are added to PDFs could also help a lot. Changing lines after the ending of a paragraph would also help us as it would become easier for us to learn answers when we are studying for exams.
317050089	PDF document should be as easily to navigate as Microsoft Word files. All PDF document should have headings and links that should be easily navigable. All PDF should be able to be read in their correct order, including tables and column documents. Bilingual document should be easily readable. It is impossible, Forte for me to read documents in Hebrew that are PDF Hebrew comes out completely Incorrect. It is either backward, or it is totally completely unintelligible. For me, PDF documents have always been a challenge and many of them have been partially or completely inaccessible PDF of always been problematic for me even accessible ones. They're just not easily navigable or as easily red as Microsoft Word documents. I think most people still prefer Microsoft Word. I think that Adobe and other manufacturers have done very little to make PDF fully accessible and I think this is disgraceful.
625312558	I don't know
004396528	<ol style="list-style-type: none"> <li>1. The ability to immediately look at footnotes when required.</li> <li>2. A way that might guide screenreaders read several columns correctly.</li> <li>3. Many badly tagged documents appear without spaces separating words. This makes reading via braille or speech very difficult, and care should be taken to make this bug obsolete.</li> </ol>
695627821	<p>I don't know.</p> <p>Possibly someone virtually on hand to help with the proper set up etc.</p>
924747742	making them more accessible
646173572	Proper rendering of headings, tables and multi-column text. Accurate spacing between words and no extra spacing within words. All PDFs should be properly tagged. Failing that, perhaps AI could be used to determine the reading order. I would like to be able to get the full reading experience without having to manually switch between different reading orders where every one involves some sort of compromise.
567517408	A setting on adobe that would automatically convert and open with my default browser any PDF I click on, showing me that content in a single-page text-only HTML format. This would also allow me to use the usual keyboard commands to navigate and read instead of having to learn new shortcuts that constantly vary from client to client. it is as if a sighted person was forced to close a window in an entirely different way depending on which software that person was using.
31574502	If entering information in a form was as easy as entering in a Google Form that would be great. In other words, everything should read aloud, tab from input location to input location and dar4k mode does not cause issues.

ID	Response
<b>392401905</b>	That they are all accessible and the accessibility is transparent.
<b>360167906</b>	<p>Hmmm I read pdfs because I need to.</p> <p>It would be an improvement if they simply were deleted from existance and never existed in the first place, though well structured pdfs are nice to read, I prefer html web as my primary source with word as a secondary and text of course.</p>
<b>35220805</b>	Tag appropriately and allow for easier editing.
<b>958162467</b>	Have options to convert the formating to a more accessible format or having voice recognition or other audio features embedded in the PDFs
<b>543592839</b>	Having feedback from the blind community in real time access.
<b>450720183</b>	<p>Mandate Accessibility with encryption services (DeafBlind cannot use audio or those visual image or text verifiers)</p> <p>Mandate Accessibility with navigaton on PDF documents and applications we use to work to read, open and enter text.</p> <p>Entering text is very complicted in Adobe. There needs to be a simpler way. Make interactive PDF mandatory and easy to use without downloading, suscribing to expensive cost prohibitive application.</p>
<b>907883413</b>	-
<b>823218492</b>	I often need to copy or edit portions of pdfs and cannot with ease. I send to others to do it for me.
<b>294555011</b>	<p>IF more people who prepared them followed the accessibility guidelines that are already available, that would make a tremendous difference. Also, at work, I often see a note indicating that a PdF and "accessible word document" are attached.</p> <p>People need to realize that not all Word docuents are accessible, and not all PDF's are inaccessible.</p>
<b>499773403</b>	laws ensuring that documents are accessible, specific criteria that PDFs need to follow, using a different medium than PDFs that are more accessible
<b>280649033</b>	If all PDF documents were properly tagged by the author. When PDF are tagged, if the reading order were correct. PDF authors need a more intuitive tool for creating accessible pdf documents as the current tools are confusing and don't always produce the desired result. For this reason, many authors don't add tags at all.
<b>074340148</b>	Remove the paywall so that everyone can freely create accessible content.
<b>547562881</b>	Better tools for generating accessible pdfs
<b>142292818</b>	aUTO sTART AND INTUITIVE EASE OF NAVIGATION.
<b>578645714</b>	tools trainings resources software
<b>199866328</b>	Content creators must use accessibility standards correctly.
<b>209498746</b>	Content creators must use accessibility standards correctly.
<b>35094704</b>	When they are probably tagged
<b>905029633</b>	<p>Being educated about PDF terms would help me advocate for accessibility. For instance, I preferred the term labeled until I learned that the term was for instance, I preferred the term labeled until I learned that the term was tagged.tagged.</p> <p>If OCR were a part of scanners, then the documents could have the text extracted immediately making an accessible PDF rather than having a person go back and tag the PDF later.</p>

ID	Response
<b>349464375</b>	If a PDF is an image of a scanned journal article it should have to be rendered to clear text that would work for those using screen readers and be easier to see for people like myself with low vision.
<b>329459705</b>	Just tag them properly!
<b>275792361</b>	Provide the full name of the journal, not the acronym of short hand title; provide the page number of the original text.
<b>124470068</b>	Having Accessibility features known to enable reading without limitations set by the manufacturer before releasing the software.
<b>73229963</b>	Make fillable pdf forms work with screen readers
<b>468250405</b>	I am not sure that pdfs should be eliminated altogether. They do serve a purpose in businesses and the disability community has a responsibility to also recognize that need. Why pdfs are used and when. If content creators do it right, today's technology is smart enough to figure it out. I also think that images that are put there for decoration or to please a signed viewer can be very distractive for screen reader users if they are not properly tagged as decorative. PDF's should not be the default either.
<b>170744282</b>	Easier way to open in appropriate applications
<b>157793129</b>	if all pdfs were saved as text and not images
<b>431167757</b>	I would love a PDF that is well organized, so that I access auditorially content just like folks do with vision...I want all parts of a sentence to be joined in one space. I would like an efficient/accessible method for navigating tables/graphs; it would be nice to know what numbers/comments are associated. Along with that, I want to have the option of skipping information that isn't of interest. I'm sure there is more, but that's all I can think of at the moment.
<b>312100247</b>	Better development of forms. Not having clear titles for the information I have to fill in, not identifying the error on the page so I can correct it, timing out (ARGH), no option to save information. Poor development of tables or spreadsheets make it difficult to understand how the information is being read to me. Most times I have to repeat this section to envision how the information is set up to understand what is being read to me. Poor naming of form headers and rows make it difficult to know what I am expected to input, especially for sequential inputs.
<b>186985455</b>	Training and utilizing quality software are critical in ensuring PDF accessibility. Effective PDF accessibility requires a range of specialized tools and technologies beyond free web-based tools or Adobe Acrobat Pro, including tools for creating, editing, and repairing accessible PDFs. By incorporating a combination of tools that support accessibility standards like WCAG and PDF/UA, organizations can ensure that their PDFs are accessible to a variety of disabilities. Regular training, cross-departmental collaboration, and an understanding of diverse needs are also essential for successful PDF accessibility efforts.
<b>979835806</b>	making functions and the buttons for them more descriptive and user friendly. decreasing forced pop-ups at the start of the program improving the maneuverability of text boxes and images having adjustable contrast settings
<b>698778696</b>	Ease of use in making them accessible, ideally through an automated process and a wizard to help complete the remainder. More access to free programs for editing PDFs.

ID	Response
<b>644330769</b>	Label all textfields, buttons, and check boxes. Provide headings, and avoid screenshots.
<b>916796537</b>	Navigate line by line and edit
<b>696745121</b>	I don't know how to do it, but the most problem is with scanned PDF because they appear for a blind person like an image and then we need to use other apps or AI to read the text from there
<b>411408885</b>	Ability to be able to utilize in high-contrast or dark mode. Smother interface for r ad-aloud feature.
<b>437628957</b>	Ability to converted scanned PDF to readable easily.
<b>854617271</b>	Tab order of document is preserved, form fields are properly labeled and adjacent text instructions are spoken when tabbin to the field. Decorative imaes are taed so as to have the screen reader inore them.
<b>944044535</b>	developers making them accessible
<b>067136778</b>	If the documents could be free of all graphics, that would be great.
<b>117021918</b>	Comparability to all browsers and tagging
<b>637083309</b>	label images along with brief description, use plain text. use properly formatted in document links, headers, edit boxes, etc. DO NOT scan outside documents as images.
<b>996237065</b>	<p>Migrate to markdown with plug-ins or convert content to ePub formats as an alternative. Have to be careful of the security implecation of these new technologies, but they can't be worse than Adobe, which have companies invested in 0day exploits of Acrobat. Go ahead and google search 0day exploits and Acrobat to see they're constantly behind the times and a potential security threat to everyone.</p> <p>gamma.app is a new service that is markdown based with plug-ins to address markdowns lack of features. This does introduce new accessibility issues, but I believe it's better than sticking with Acrobat.</p>
<b>755454051</b>	Built in software that automatically generates information to access documents
<b>668268612</b>	HTML, EPUB and MS Word formats are alternatives that are user friendly and provide individuals without an Adobe PDF coding certificate the opportunity to create accessible content. The PDF should not be the chosen format for faculty creating course content and have any chance at making it accessible for students of all abilities without remediation.
<b>45999226</b>	Make the document a microsoft word file First with the proper tags in it, then convert it to pdf.

ID	Response
825015446	<p>First off, we should have access to alternative formats, such as TXT. DOCX. or RTF. and/or, a way to request accommodations to get documents in alternative formats. This not only helps the blind, but, helps everyone else, because you're letting them choose which device they use and right best on, and what they have, etc.</p> <p>The next thing, is to make a PDF. in a word (DOCX. or DOC.) file first, and then tag it correctly. Have the document tagged correctly as a microsoft word document first, then convert it to a pdf. This could mean having accurate heading levels, (heading level 1, level 2,) etc, depending on what your document will contain and what purpose it will serve, having alternative text on images, having lists instead of tables, and much more. A lot of things depend on the content of the file, what it's being used for, how it's put together, etc. People need to also get trained on how to make a PDF. accessible, how to convert things into alternate formats, and more. There's a lot more that can be done, but, this is just a snapshot.</p>