Collection Assessment and Diversity Analysis

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What is CCPL's Collection Assessment?

- Conducted every two years since 2010
- Measures the **Quality** of the collection
- Analyzes CCPL's collection size, age, and usage
- Compares the collection with library standards and local demographic data
- Identifies problem areas
- Informs future selection, deselection, and budgeting

Methodology

- Comparison to Standards
- Gap Analysis
- Age of the Collection
- Use Analysis
- Relative Use
- Community Needs

* Most methods used were presented in the course **Fundamentals of Collection Assessment**, offered by the Association for Library Collections & Technical Services in March-April 2018.

Data

Types of Data

- Item counts
- Publication dates
- Circulation stats
- Formats
- Statistical codes
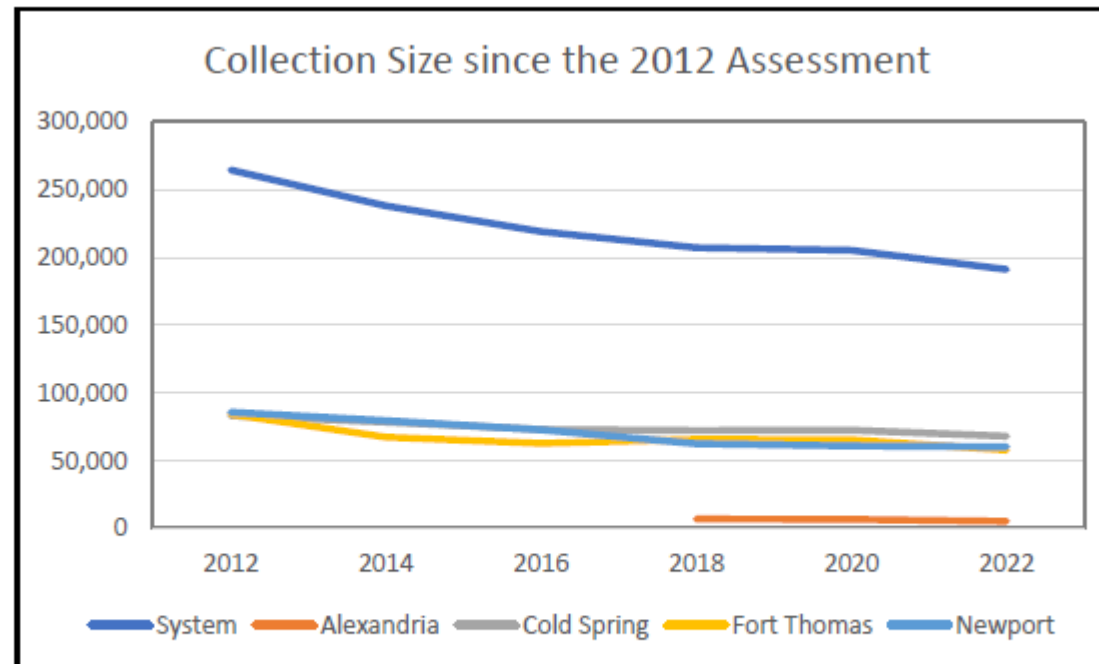- Census Data

Criteria

- Fiscal Year:
  - July 1 – June 30
- Available items:
  - In
  - Out
  - Out-ILL
  - Transferred
  - In-transit
  - Held

Data Sources

- Polaris ILS
- Polaris "Reports and Notices"
- SimplyReports
- Internal reports
- OverDrive Marketplace
- United States Census Bureau

Collection Size

Collection Size since the 2012 Assessment

Overall, the total system collection size decreased by 26% from 2012 to 2022.

Collection Size

Percent Change from 2020 Assessment:

	System	Alexandria	Cold Spring	Fort Thomas	Newport
Adult fiction	3%	-11%	3%	-5%	12%
Adult nonfiction	-2%	-21%	-6%	-5%	8%
Juvenile fiction	-3%	-5%	-4%	-8%	2%
Juvenile nonfiction	-2%	-17%	-1%	-9%	4%
Video	-6%	-29%	-4%	-11%	4%
Audio	-21%	-56%	6%	-36%	-1%
Music	-23%	-40%	-27%	-28%	-11%
Software	-15%	-19%	-15%	-16%	-7%
TOTAL	**-4%**	**-19%**	**-4%**	**-10%**	**4%**

Collection Age

System Collection Age: 2022[1]

	Before 2008	2008-2012	2013-2017	2018-2022	Total
Adult Nonfiction	2,953	2,527	7,677	14,089	27,246
Adult Fiction	4,775	4,227	6,997	15,240	31,239
Large Type	795	1,306	3,103	4,478	9,682
YA Fiction	1,090	1,605	3,693	4,585	10,973
YA Nonfiction	92	126	192	271	681
Juvenile Fiction	12,145	7,391	13,805	12,885	46,226
Juvenile Nonfiction	3,670	2,203	6,446	6,548	18,867
Adult Video	6,232	4,396	6,315	6,527	23,470
Juvenile Video	1,133	1,095	1,379	1,097	4,704
Audio	1,831	1,690	2,107	2,379	8,007
Music	3,525	1,345	2,166	2,242	9,278
Games	32	257	219	297	805
TOTAL	38,273	28,168	54,099	70,638	191,178
Percentage	**20%**	**15%**	**28%**	**37%**	

Collection Age

- CREW – Continuous Review, Evaluation and Weeding
- Look closely at items in Dewey areas that age more quickly
- Average vs. Median dates
- **Shelf life: 1-3 Years (**Ideal median date = 2021)
- **Shelf Life: 5 Years (**Ideal median date = 2020)
- **Shelf Life: 10 Years (**Ideal median date = 2018)

Collection Age and CREW

Shelf Life: 5 Years
Ideal median date = 2020

610s – Medicine and Health: "Weed ruthlessly when it comes to current medical practices. Patrons rely on up-to-date information and outdated information can be dangerous."

2022	Number of Items	Median Publication Date	Average Publication Date
Alexandria Adult	30	2019	2019
Cold Spring Adult	492	2018	2018
Fort Thomas Adult	518	2018	2018
Newport Adult	511	2018	2019
Alexandria Juvenile	18	2019	2018
Cold Spring Juvenile	126	2017	2017
Fort Thomas Juvenile	130	2017	2017
Newport Juvenile	132	2017	2017
Alexandria Young Adult	0	n/a	n/a
Cold Spring Young Adult	3	2015	2015
Fort Thomas Young Adult	20	2018	2017
Newport Young Adult	17	2016	2015

Relative Use

Relative use is the ratio of the percentage of a collection's circulation vs. the percentage of holdings in that particular area.

$$\text{Relative Use} = \frac{\text{circs (section)/circs (library)}}{\text{items (section)/items (library)}}$$

Relative Use

Fort Thomas

Adult Nonfiction	Collection Size	% of Total Adult Nonfiction	Circulation	% of Adult Nonfiction Circulation	Relative Use
Adult 000-099	136	2%	493	3%	1.54
Adult 100-199	490	7%	1,560	9%	1.36
Adult 200-299	393	5%	986	6%	1.07
Adult 300-399	1,684	23%	2,948	17%	0.75
Adult 400-499	64	1%	184	1%	1.22
Adult 500-599	332	4%	513	3%	0.66
Adult 600-699	1,783	24%	5,273	30%	1.26
Adult 700-799	976	13%	2,028	12%	0.88
Adult 800-899	419	6%	712	4%	0.72
Adult 900-999	1,113	15%	2,656	15%	1.02

Relative Use

Easy Reader Categories

Cold Spring	Collection Size	% of Total Collection	Circulation	% of Total Circulation	Relative Use
All About Me	584	8%	1,884	8%	0.93
Animals	538	7%	2,317	9%	1.24
Authors	534	7%	484	2%	0.26
Birds	159	2%	550	2%	0.99
Bugs	94	1%	506	2%	1.54
Celebrations	88	1%	206	1%	0.67
Characters	704	10%	4,682	19%	1.91
Concepts	278	4%	737	3%	0.76
Dinosaurs	118	2%	1,159	5%	2.82
Farm	140	2%	401	2%	0.82
Holidays	722	10%	1,474	6%	0.59
Nature	406	6%	1,339	5%	0.95
Ocean	99	1%	461	2%	1.34
People	502	7%	1,394	6%	0.80
Pets	279	4%	1,329	5%	1.37
Phonics	0	0%	0	0%	0.00
Places	184	3%	564	2%	0.88
Play	367	5%	1,359	5%	1.06
School	204	3%	559	2%	0.79
Spooky	131	2%	485	2%	1.06
Stories	821	11%	2,147	9%	0.75
Things That Go	246	3%	1,046	4%	1.22

Community Needs

Population Ages Compared to Relevant Collections

Children Under 5
For children under 5, we look at Board Book and Easy Reader collections.

	Campbell County	Alexandria	Cold Spring	Fort Thomas	Newport
Population	5.5%	7.5%	4.2%	5.5%	6.1%
Collection	13.0%	13.3%	12.5%	13.8%	13.5%

Community Needs

Relative Use

Juvenile Easy Readers	Collection Size	% of Total Collection	Circulation	% of Circulation	Relative Use
Alexandria	548	2%	7,134	7%	2.72
Cold Spring	7,603	34%	36,519	34%	1.00
Fort Thomas	7,139	32%	40,669	38%	1.19
Newport	7,109	32%	22,815	21%	0.67

Juvenile Board Books	Collection Size	% of Total Collection	2020 Circulation	% of Circulation	Relative Use
Alexandria	141	5%	1,108	8%	1.57
Cold Spring	909	32%	4,534	32%	1.00
Fort Thomas	814	28%	5,113	36%	1.25
Newport	994	35%	3,556	25%	0.71

Kentucky Libraries Unbound

Top Five Libraries in KLU Consortium

	KLU Checkouts FY 21/22	Unique Users	New Users
Campbell County	222,454	7,794	2,219
Boone County	189,206	6,305	1,980
Daviess County	101,982	3,132	972
Jessamine County	99,360	2,901	901
Madison County	96,986	2,532	834

Kentucky Libraries Unbound

Since 2020:

- Total **titles** in CCPL's Advantage Collection increased by 24%
- Total **copies** increased by 26%
- 35% of titles in Advantage Collection are unique to CCPL
- Total circulation increased by 9%
- Audiobook use increased by 18%

Cost Per Circ

Fiscal Year 2021/22

Circulation by Branch

	Alexandria	Cold Spring	Fort Thomas	Newport	Digital Branch
Total Circulation	36,374	215,131	213,396	138,031	222,275
Percent of Total Circ	4%	26%	26%	17%	27%
Collection Size	5,194	67,995	57,756	60,232	215,607
Percent of System Size	1%	17%	14%	15%	53%

Cost per Circ

	Alexandria	Cold Spring	Fort Thomas	Newport	Digital Branch
FY Materials Budget	$21,100	$137,300	$137,300	$137,300	$125,000
Cost per Circ	$0.58	$0.64	$0.64	$0.99	$0.56

Conclusions

- Alexandria is operating as planned
- Kentucky Libraries Unbound continues to grow
- Newport has a great collection, despite low circulation
- Nonfiction needs review everywhere

CCPL Diversity Audit

- In 2022 CCPL conducted a diversity audit of its Young Adult Fiction collection

- A diversity audit is an inventory of a collection that gathers concrete data to measure how much diversity that collection contains

- The data from an audit can be used to see what areas of the collection need to be better developed and advocated for

- Karen Jensen (creator of Teen Librarian Toolbox) asserts that an audit's goal is not "to hit a specific number" but "to get an idea of what your collection looks like, where you have gaps, and where internalized biases might exist"

Before the Audit

- Before the actual audit was conducted baseline data was gathered
- Baseline data is needed both to get a picture of your library's service area and to later compare with results of audit
- Census data for both Campbell County, KY and for the United States as a whole were gathered in order to obtain numbers on specific demographics and to get a picture of the library's service population

Census 2020 Data

	Campbell County, KY	United States
Total Population	93,076	331,449,281
Female Persons	50.9%	50.8%
White Americans	94.0%	76.3%
Black/African American	3.0%	13.4%
Asian/Asian American	1.1%	5.9%
Native American/American Indian and Alaska Native	0.3%	1.3%
Native Hawaiian/Other Pacific Islander	Z*	0.2%
Hispanic/Latine (any race**)	2.2%	18.5%
Two or more races	1.8%	2.9%
Americans w/ Disabilities under age 65	8.7%	8.7%

*As stated on the US Census website, the value for this demographic is "greater than zero, but less than half unit of measure shown."
**Hispanic/Latine is an ethnicity, not a race. Therefore, as stated on the US Census website, "Hispanics may be of any race, so also are included in applicable race categories."

Other Relevant Data

- American Adults Identifying as LGBTQ: 7.1% (Gallup, 2021)
- American Adults Identifying as Nonbinary: 0.4% (Williams Institute, 2021)
- Christian Americans: 70.6% (Pew Research Center, 2015)
- Jewish Americans: 2.4% (Brandeis, 2021)
- Muslim Americans: 1.1% (Pew Research Center, 2017)
- Middle Eastern/North African American (MENA): 1.1% (Arab American Institute, 2021)
- American Adults with Mental Illness: 20% (National Institute of Mental Health, 2020)
- Neurodiverse People: 15-20% of global population (National Cancer Institute, 2022)

Note about Census Data

- Vast majority of the Campbell County population is white (94%) but does not mean that 94% of the YA fiction should represent white people

- Kelly Jensen: "whatever our immediate service community may look like, our goal is to have diverse/inclusive collections to create global citizens"

- Rudine Sims Bishop: "when there are enough books available that can act as both mirrors and windows for all of our children, they will see that we can celebrate both our differences and similarities, because together they are what make us all human"

Scope of Audit

- There is no set standard for what categories/demographics need to be covered in an audit, so you can look at any area you want
- Goal of this audit was to see how representative YA Fictions is of groups that are not white, heterosexual, cisgender, non-disabled, Christian people
- Identities of both authors and protagonist were examined
  - Made conscious choice not to include secondary characters in assessment in order to avoid tokenization skewing the results
- 18 categories were examined for authors and 19 categories were examined for protagonists

Categories Selected to Audit

Race/Ethnicity

- White Only (or presumed white—when there are no racial descriptors, white is the assumed default)
- Black/African American
- Asian/Asian American or Pacific Islander
- Hispanic/Latine (Latine is a gender-neutral substitute for Latino/a)
- Native American/Indigenous
- Middle Eastern/North African (MENA)
- Biracial/Multiracial

Gender and Sexuality

- Male
- Female
- Nonbinary/Genderqueer/Genderfluid
- LGBTQIA+ (lesbian, gay, bisexual, trans, queer, intersex, asexual)

Categories Selected to Audit

Religion

- Jewish
- Muslim
- Other non-Christian religions (ex: Hinduism, Buddhism)

Physical & Mental Health

- Physical disabilities
- Neurodivergence (ex: Autism Spectrum Disorder, dyslexia, ADHD, OCD, Tourette's Syndrome)
- Mental Health (ex: depression, anxiety, eating disorders, trauma, addiction, grief)

Categories Selected to Audit

- For a handful of authors no background information was found, so "Race/Ethnicity Unknown" was added to the author categories

- "Other Non-white" was added for protagonists whose race was not white but otherwise ambiguous, and "Non-human/Non-humanoid" was included for protagonists who were animals or mythical creatures (note: this did not include characters who were creatures like vampires or fairies because they were still humanoid)

Methodology

- Auditing entire collection not practical but a sample can provide a snapshot at the state of the collection which is still valuable data

- Of the 6,819 circulating YA Fiction books a sample of 871 titles were randomly selected to audit (10% of the 3 main branches' collections plus the entirety of YA novels at express branch)

Methodology

- Downloaded dataset of all of the collection's YA fiction books and their authors into Excel spreadsheet

- Used random number generator to pick the 871 titles for the sample

- Two spreadsheets with the sample titles and categories were created for each of CCPL's 4 branches: one for authors, one for protagonists

- Information on the author(s) and protagonist(s) was researched for each title
  - For authors, sources included authors' official websites and social media accounts
  - For protagonists, professional book reviews were the main information source

  (Novelist proved to be an invaluable source as it had professional book reviews and listed themes and subject headings for titles)
  - Important to note that data collected in audit is only as accurate as the information that is available

Methodology

- For each instance of one of the audited categories, the title would get marked on the appropriate Excel spreadsheet

- Once the all of the data for was collected, totals and percentages for each category were calculated by dividing the number of titles in a category by the number of titles in the sample (this was done for each branch's sample data in addition to the systemwide sample data as a whole)

Results: Racial/Ethnic Background

YA Fiction Systemwide: Author Racial/Ethnic Background Percentages
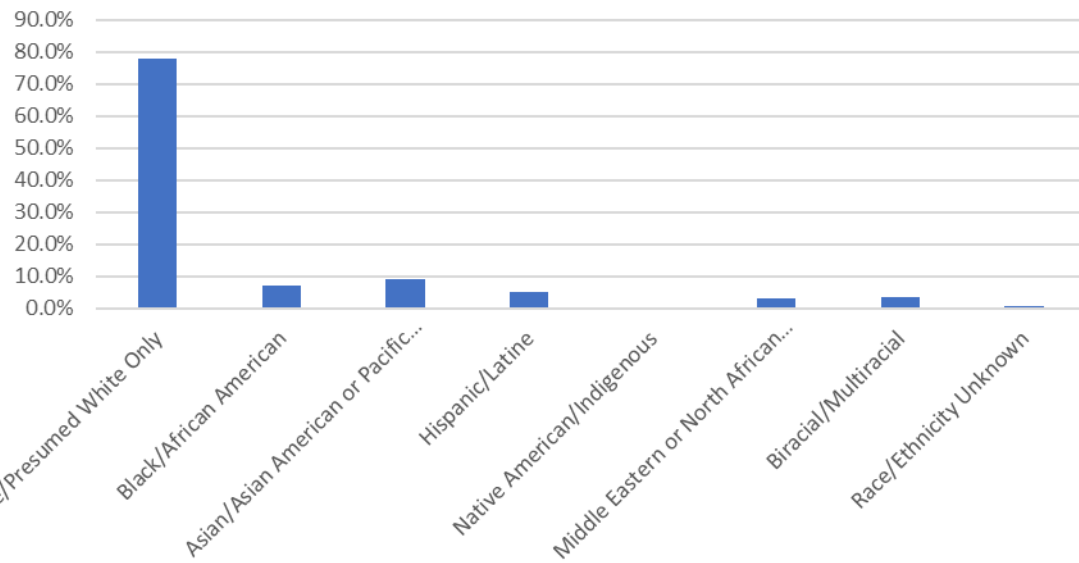
YA Fiction Systemwide: Protagonist Racial/Ethnic Background Percentages
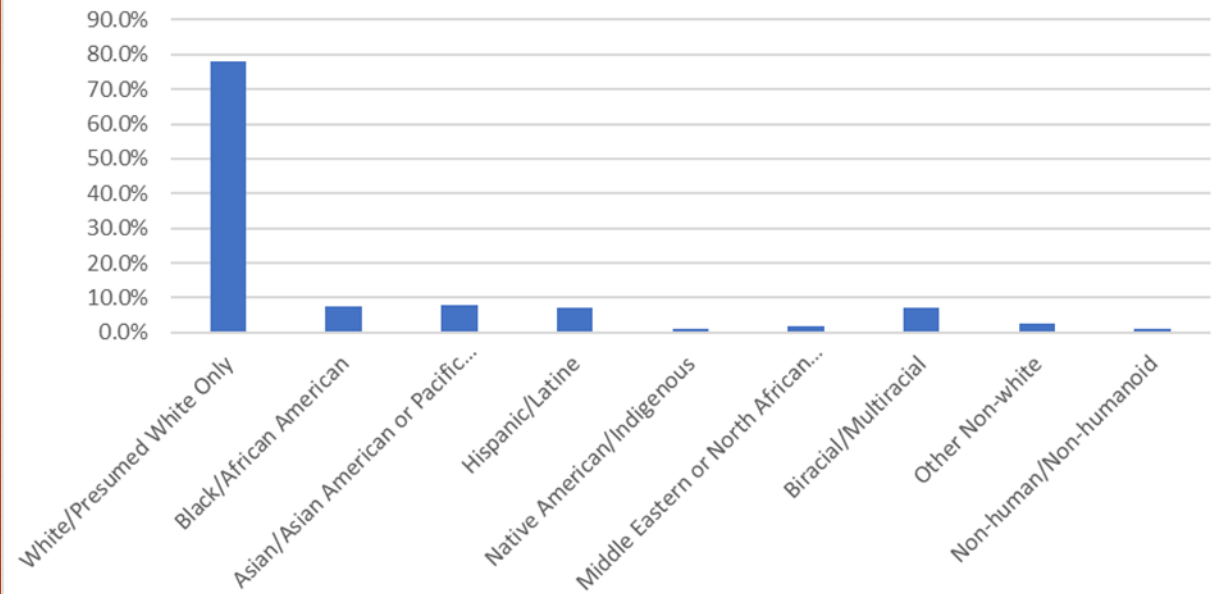
Results: Gender and Sexuality
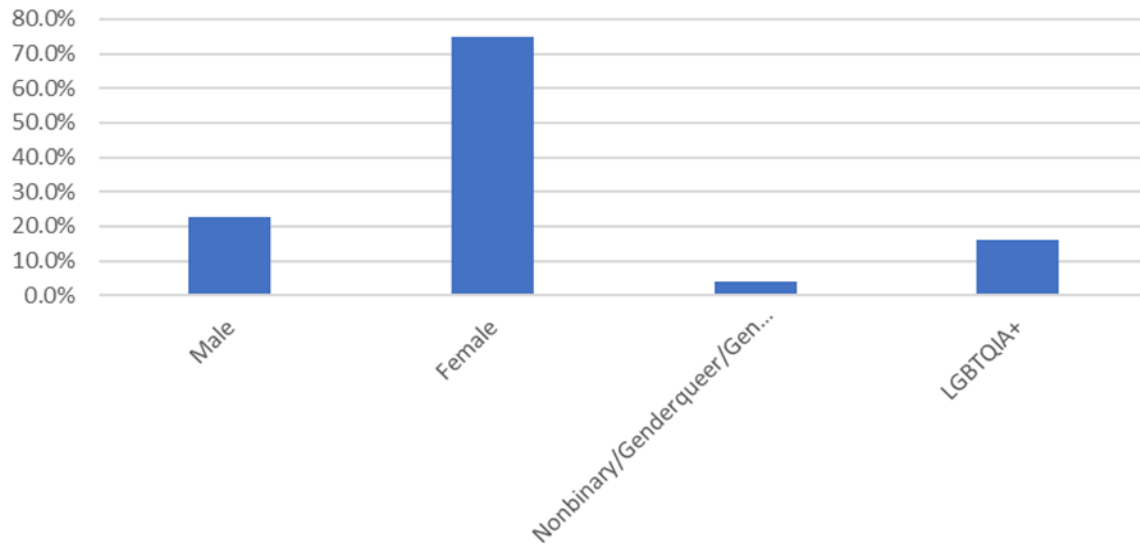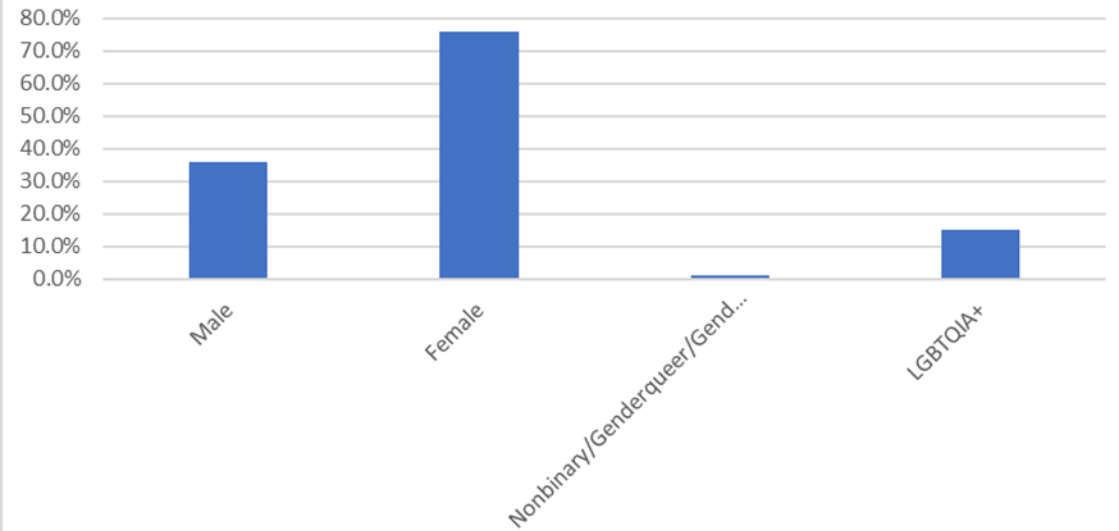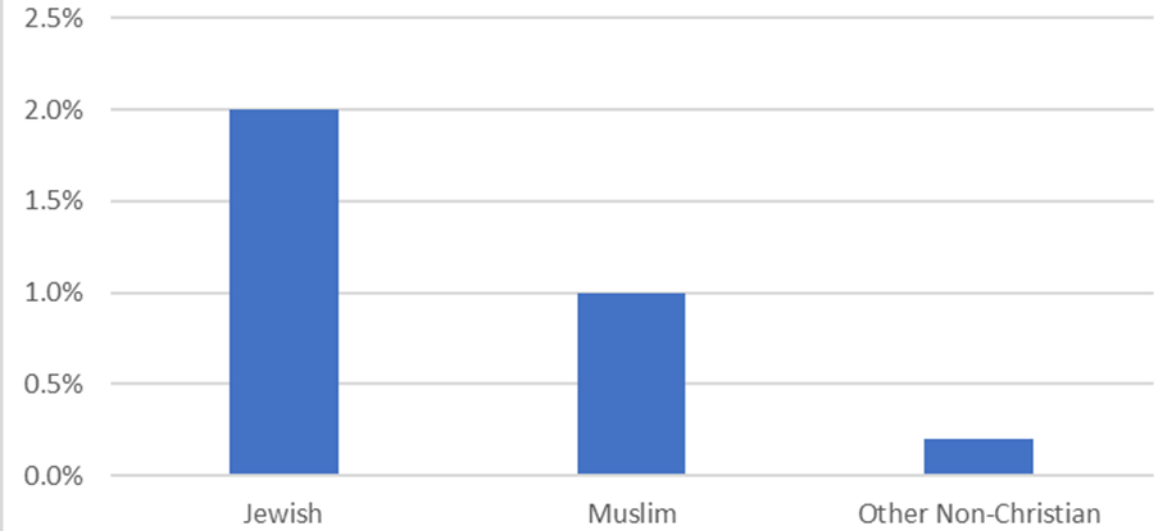
Results: Religion

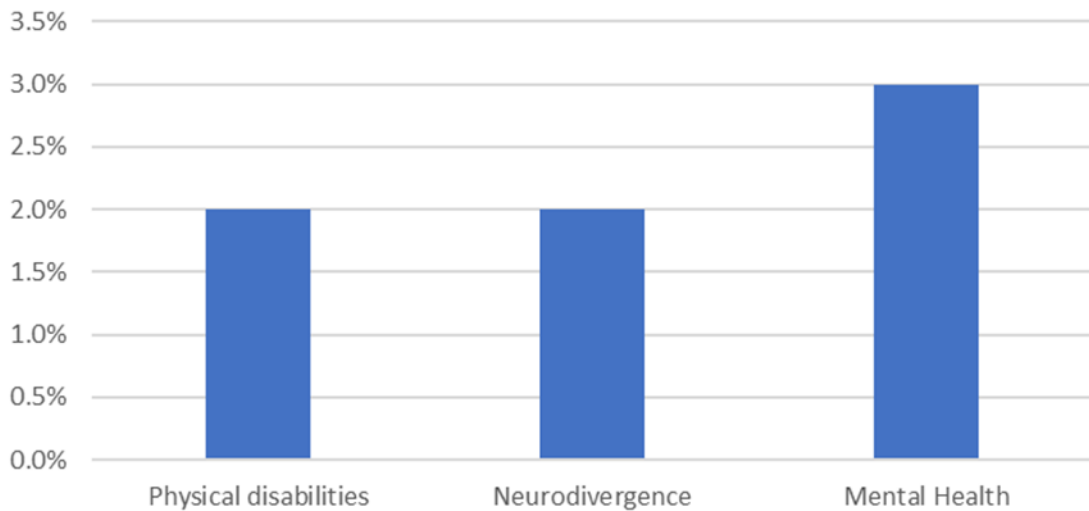YA Fiction Systemwide: Author Religion Percentages
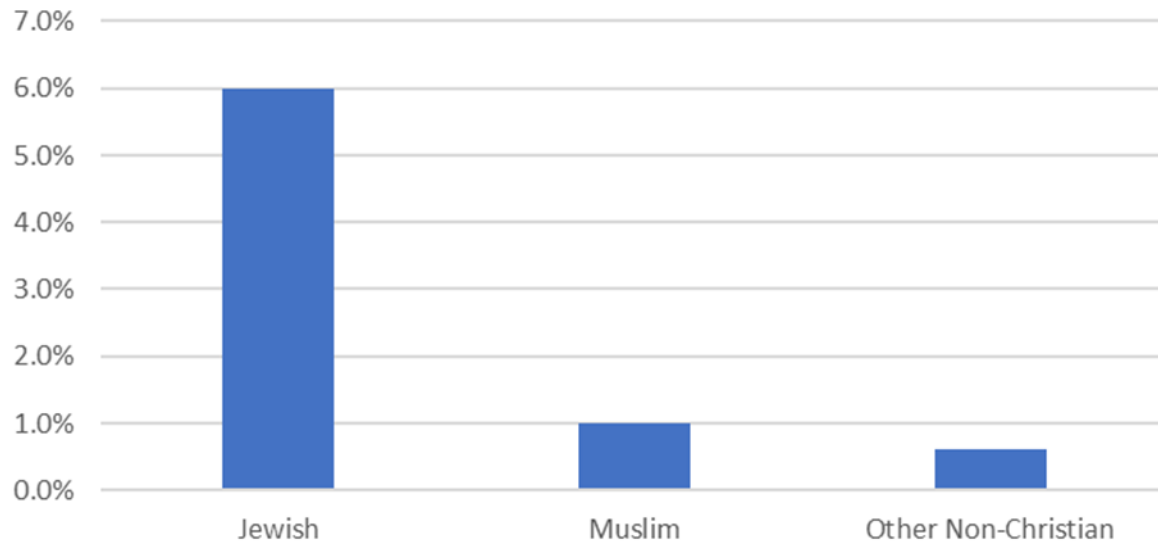
YA Fiction Systemwide: Protagonist Religion Percentages
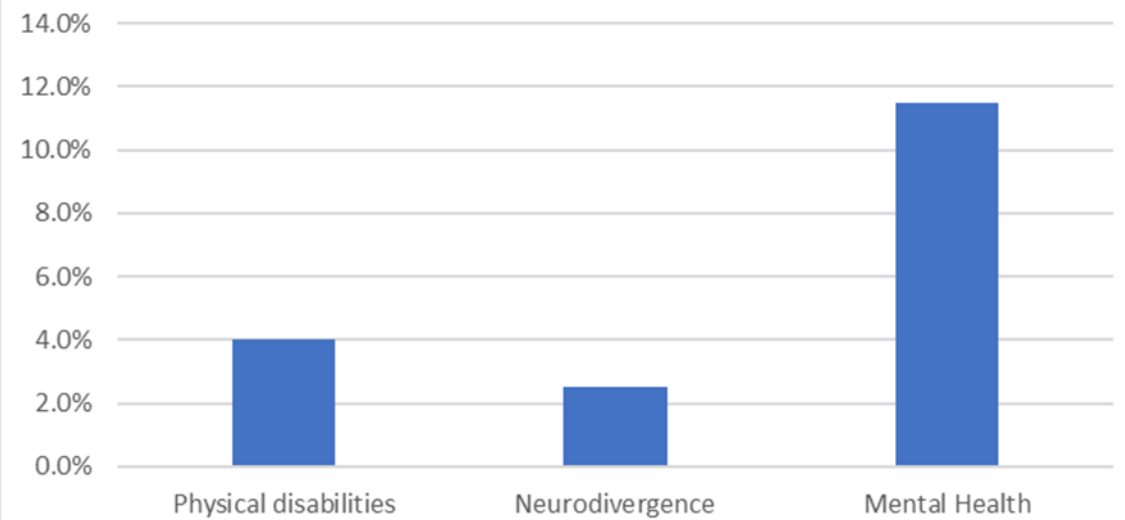
Results: Physical/Mental Health

YA Fiction Systemwide: Author Physical and Mental Health Percentages

YA Fiction Systemwide: Protagonist Physical and Mental Health Percentages

Conclusions

- Results reveal that heteronormative, able-bodied, neurotypical white women dominate CCPL's YA fiction collection as both authors and protagonists

- Suggestions to make collection more diverse:
  - Use diversity audit to inform future ordering: see where the gaps are and order to increase representation for certain groups
  - Do "mini-audits" of book orders
  - Weed collection

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Thank you for attending!

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