ARL Inflation-Adjusted Expenditure Data

Note: 2017 data is preliminary and will be updated when final data is released.

<table>
<thead>
<tr>
<th>Data source and notes</th>
<th>Median library expenditures among ARL members, 1963-..</th>
<th>Percentage change in expenditures, 1987-present</th>
<th>Inflation-adjusted expenditures for individual ARL libraries</th>
</tr>
</thead>
</table>

Data source and notes:

Data was downloaded from ARL Statistics © http://arlstatistics.organalytics
To compute expenditures in current 2017 inflation-adjusted dollars, a spreadsheet with the Consumer Price Index for years 1900-2017 is joined in Tableau with the spreadsheet containing ARL expenditures. A Calculated Field in Tableau then incorporates the Consumer Price Index along with nominal expenditures to adjust for inflation, based on the 2017 CPI (245.1). For example, Expenditures for Monographs in current 2017 dollars uses the calculation:

\[
\text{([Expenditures for Monographs (nominal])} \times (245.1/[\text{CPI}])
\]

and Tableau plugs the correct Consumer Price Index for the [CPI] value based on the year value in the original data for whatever year is being displayed in the graph. The Consumer Price Index in 1990 was 130.7. If a library spent $2,825,704 in 1990 on serials, that figure is displayed on the line graph based on the calculation:

\[
2825704 \times (245.1/130.7)
\]
to convert the 1990 expenditures to 2017 inflation-adjusted dollars.

The Serials Expenditures measure in ARL data collection migrated to the new measure "Ongoing Resource Expenditures, beginning with the 2012 data; Monograph Expenditures was similarly changed to 'One-Time Resource Expenditures' in 2012. These new measures were substituted for the original measures in these graphs for the 2012-2017 data. This substitution is consistent with ARL-authored reports such as: http://www.arl.org/storage/documents/expenditure-trends.pdf

Canadian ARL libraries (Alberta, British Columbia, Calgary, Guelph, Laval, McGill, McMaster, Manitoba, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Waterloo, Western, and York) are excluded in the Median library expenditures among ARL members 1963-2017 and Percentage change in Expenditures, 1987-2017 by default. Although ARL reports expenditures at Canadian ARL libraries in U.S. dollars at the contemporaneous exchange rate in its yearly statistics, the Consumer Price Index is a benchmark of inflation in the U.S. economy and may not be directly applicable to Canadian institutions. Users may add these institutions to the median calculations by selecting All from the Institution Name filter menu.

Your feedback and suggestions are welcomed!
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ARL Inflation-Adjusted Expenditure Data


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Inflation-adjusted expenditures among U.S. ARL libraries in constant 2017 dollars, 1963-present

Median expenditures for serials, books, salaries, and operating expenses among ARL member libraries.
ARL Inflation-Adjusted Expenditure Data


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Change in median expenditures in constant 2017 dollars among U.S. ARL institutions, 1987-2017

Measure Names
- % Difference in Median Expenditures for Serials in current 2017 dollars* from the First along Table (Across)
- % Difference in Median Total expenditures for library materials in current 2017 dollars from the First along Table (Across)
- % Difference in Median Expenditures on all library salaries in current 2017 dollars from the First along Table (Across)
- % Difference in Median Operating expenditures in 2017 dollars from the First along Table (Across)
- % Difference in Median Expenditures for Monographs in current 2017 dollars* from the First along Table (Across)
- % Difference in Median Total Expenditures in 2017 Inflation-Adjusted Dollars from the First along Table (Across)

(Optional) Select Institution(s): Multiple values

Notes: Canadian institutions are excluded by default. See Data Source and Notes tab for more information.

*Monograph and Serials expenditures measure definitions changed in 2012. See Data Source and Notes tab for more information.
ARL Inflation-Adjusted Expenditure Data
Note: 2017 data is preliminary and will be updated when final data is released.

| Data source and notes | Median library expenditures among ARL members, 1963-.. | Percentage change in expenditures, 1987-present | Inflation-adjusted expenditures for individual ARL libraries |

Expenditures in inflation-adjusted 2017 dollars at ALABAMA libraries, 1963-present

- Total expenditures for library materials in current 2017 dollars
- Expenditures on all library salaries in current 2017 dollars
- Expenditures for Serials in current 2017 dollars*
- Operating expenditures in 2017 dollars
- Expenditures for Monographs in current 2017 dollars*

* Monograph and Serials expenditures measure definitions changed in 2012. See Data Source and Notes tab for more information.