What is normalised citation impact?

There are a variety of metrics that can be used to showcase the impact and reach of research outputs. Counting the total number of times an output has been cited is only one measure. A normalised citation impact is an indicator which shows how your paper or group of papers performs relative to averages or baselines and so puts citations in context. It can be summarised as:

Clarivate Analytics produce a Category Normalised Citation Impact (CNCI) for a document. The CNCI is calculated by dividing the actual count of citing items by the expected citation rate for documents with the same document type, year of publication and subject area. When a document is assigned to more than one subject area, an average of the ratios of the actual to expected citations is used. The CNCI of a set of documents – such as the collected works of an author - is the average of the CNCI values for all the documents in the set. CNCI is equivalent to the Field Weighted Citation Impact (FWCI) by Scopus.

A CNCI value of one represents performance at par with world average. Values above one are considered above average, and values below one are considered below average.

A researcher’s CNCI can be accessed by using InCites, which uses Web of Science citation data.

Accessing InCites

- Go to the Library home page > Databases > enter InCites > click on Online access, then login at the InCites prompt. You may need to authenticate using your UniSA credentials.
- The InCites screen will appear. You will be required to login using your EndNote/Web of Science/Publons password. If you have not registered before you will need to create an account to use InCites, then Register an email address to sign into InCites from anywhere.

Running a researcher report

The easiest way to view CNCI and other metrics for an individual researcher is to go to InCites System Reports section, Researcher Report (New Experience), Run.

- At the Person Name prompt, select ORCiD and insert your ORCiD. When it finds your ORCiD, click on it, and then the report will run.
- To focus on a specific set of years select the Date range, eg 2014-2019. Tick the box next to Include ESCI documents to include additional journals that have regional or speciality discipline coverage. (ESCI is the Emerging Sources Citation Index).
Viewing the data

- An overview of **Research Output** is presented:

<table>
<thead>
<tr>
<th>H-Index</th>
<th>Documents Published</th>
<th>Times Cited</th>
<th>% Documents in Top 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>83</td>
<td>3,436</td>
<td>13.25</td>
</tr>
</tbody>
</table>

- Go to **Documents Published by WOS Categories** tile, and click on **View data**
- The CNCI for the various Web of Science categories display. To get an overall CNCI for the researcher, go to **Benchmarks** and click on **Baseline for all items**:

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>Web of Science Documents</th>
<th>Category Normalized Citation Impact</th>
<th>Times Cited</th>
<th>% Docs Cited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline for All Items</td>
<td>n/a</td>
<td>83</td>
<td>2.06</td>
<td>3,530</td>
<td>83.13%</td>
</tr>
<tr>
<td>PHYSIOLOGY</td>
<td>1</td>
<td>20</td>
<td>1.28</td>
<td>321</td>
<td>96.67%</td>
</tr>
<tr>
<td>NEUROSCIENCES</td>
<td>2</td>
<td>13</td>
<td>0.35</td>
<td>83</td>
<td>92.31%</td>
</tr>
</tbody>
</table>

- The CNCI is 2.06 so this researcher is performing at more than twice the world average across all disciplines they publish in. To refine the results to the categories the researcher publishes in most frequently, tick the box next to the appropriate categories then at the bottom click **Pin to Top**. Then go to **Benchmarks** at the top of the table, and click **Baseline for Pinned Items**

- To view other metrics click on the **Configure Indicators** cog. Go to **Browse indicators > Productivity** and **Add** other metrics, for example **Documents in top 1%**, and **% Documents in Q1 Journals**. Then scroll down and in the **Collaboration** tab, **Add % International Collaborations**, then select **Done**

Note: If you refine the results at any stage, for example by publication date, be sure to state what those are when reporting your metrics, for example *My aggregate CNCI for xxx and xxx is ...*

**Caveats**

- InCites uses **Web of Science** data. The outputs must be indexed in **Web of Science**
- The easiest way to search is using your ORCiD ID or ResearcherID. Ensure you have DOIs included in your Works wherever possible. You need to allow 4-6 weeks between updating your ORCiD and using InCites as InCites is refreshed at the end of each month. To find the data without using an ORCiD ID, please contact Ask the Library for assistance
- To include potential cites from book chapters and journals covered in ESCI backfile, they must be included in your ResearcherID/Publons. Library staff can provide some advice

**Related resources**

Clarivate Analytics: [Explaining the metrics](#); [Indicators Handbook](#); [Training tutorials](#)

Please contact Ask the Library for further information or assistance

ask.library.unisa.edu.au/