

Measuring impact with alternative metrics

Euan Adie

euan@overton.io

Looking for broader impacts with altmetrics indicators

Euan Adie

ewan@overton.io

We'll cover

- What are altmetrics
- Rules of thumb for using them
 - Exercise 1 – a single article
 - Exercise 2 - gaming
- Understanding biases, caveats and appropriate inputs
- Jumping in
 - Exercise 3 – policy citations from Overton
- Some metrics based approaches

We won't cover

- Too much history / backstory
- Details of every altmetrics source
- Projects that despite being cool aren't of immediate practical use to this group:
 - Depsy.org (software tracking)
 - Humetrics (more general “measure what you care about” framework)
 - Crossref Event Data (infrastructure rather than an app or tool)

Introduction

We might consider a book or journal article “good” because:

- It is cited a lot
- It resulted in follow-up collaborations
- It inspires lots of alumni donations
- It shifted the way people thought or talked about an important issue after reading it
- It’s really useful in teaching
- It had valuable implications in practice
- It influenced policy or clinical guidelines

... or any number of other, subjective reasons.

We can’t measure most of these things with citations.

What *can* we do?

altmetrics

altmetrics: a manifesto

NO ONE CAN READ EVERYTHING. We rely on filters to make sense of the scholarly literature, but the narrow, traditional filters are being swamped. However, the growth of new, online scholarly tools allows us to make new filters; these altmetrics reflect the broad, rapid impact of scholarship in this burgeoning ecosystem. We call for more tools and research based on altmetrics.

As the volume of academic literature explodes, scholars rely on filters to select the most relevant and significant sources from the rest. Unfortunately, scholarship's three main filters for importance are failing:

- Peer-review has served scholarship well, but is beginning to show its age. It is slow, encourages conventionality, and fails to hold reviewers accountable. Moreover, given that most papers are eventually published somewhere, peer-

MEDLINE-indexed articles published per year



Captures: bookmarks, favorites, reference manager saves

Usage: clicks, views, downloads, library holdings, video play

Cite index

er Tools

ics
to publish your

wing:

economic opportunities

Raising awareness of a social issue

Altmetrics – what are they?

- You've almost certainly seen them before in research assessment: downloads, \$ raised by spin outs, patent registrations
- Since 2012 used as a shorthand for social media & news mentions especially
- But actually a broad field
- Nowadays two main camps: attention (social media, news, downloads) & impact (policy, patents, guidelines)

Altmetrics – what are they?

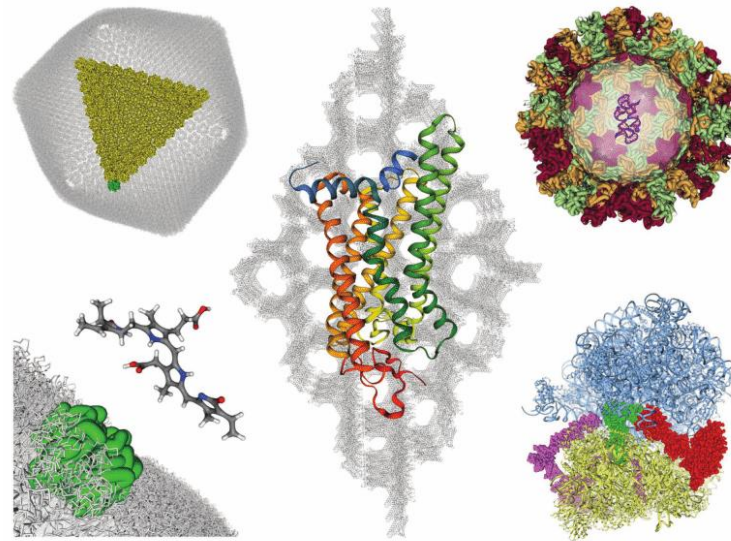
- Not originally intended for research assessment per se, but for discovery & filtering
- PLoS One had launched recently: given megajournals how do you know which papers you might be interested in?
- First stirrings of responsible metrics were starting
- It was clear traditional citations did not work for “broader” impacts

PRINT ISSN: 0305-1048
ONLINE ISSN: 1362-4962

Nucleic Acids Research

VOLUME 43 WEB SERVER ISSUE JULY 1, 2015

www.nar.oxfordjournals.org



Downloaded from <http://nar.oxfordjournals.org/> at Queen's Medical Biblioback on October 9, 2015

OXFORD
UNIVERSITY PRESS

Open Access

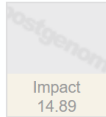
No barriers to access – all articles freely available online





All cited papers

Showing results 0 - 20 out of 814 [next 20 >](#)



Late-associativity, synaptic tagging, and the role of dopamine during LTP and LTD.

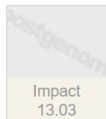
Neurobiol Learn Mem Sreedharan Sajikumar, Julietta U Frey

Tags:
[network/systems level](#)

“ I put my thang down, flip it, and reverse it. – Missy ElliotI have been invited on as an author at Gene Expression, so this post will go up at The Genius and at GNXP. To GNXPers: Hello. I'm a gr...

Now where was I? in [gene expression](#)

Now where was I? in [the genius](#)



The ventral striatum in off-line processing: ensemble reactivation during sleep and modulation by hippocampal ripples.

J Neurosci C M A Pennartz, E Lee, J Verheul, P Lipa, C A Barnes, B L McNaughton

Tags:
[network/systems level](#)

“ I put my thang down, flip it, and reverse it. – Missy ElliotI have been invited on as an author at Gene Expression, so this post will go up at The Genius and at GNXP. To GNXPers: Hello. I'm a gr...

Now where was I? in [gene expression](#)

Now where was I? in [the genius](#)

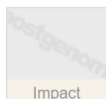


Common deletions and SNPs are in linkage disequilibrium in the human genome.

Nat Genet David A Hinds, Andrew P Kloek, Michael Jen, Xiyin Chen, Kelly A Frazer

“ Three papers in the January issue of Nature genetics, "Common deletions and SNPs are in linkage disequilibrium in the human genome", "Common deletion polymorphisms in the human genome" and "A high-res...

Common structural variants are like SNPs in [gene expression](#)



Encoding new episodes and making them stick.

Neuron Wendy A Suzuki

Tags:

Search papers

Looking for something specific? You can search titles, abstracts and author lists here.

Search

Filter results

You can filter papers by the category of blog they came from.

Category:

Filter

Impact tracker (top 25)

Which journals are bloggers linking to most frequently?

13.4%	Nature
11.4%	Science
7.9%	Proc Natl Acad Sci U S A
2.9%	Nat Neurosci
2.6%	PLoS Biol
2.5%	Nat Genet
2.1%	N Engl J Med
2.0%	Neuron
1.6%	Cell
1.2%	Genetics
1.2%	PLoS Med
1.2%	BMJ
1.2%	Nucleic Acids Res
1.1%	Am J Phys Anthropol
1.0%	BMC Bioinformatics
0.9%	Nat Biotechnol
0.9%	Bioinformatics
0.7%	Curr Biol

Altmetrics

(a brief aside)

Altmetrics

(a brief aside)

Is a terrible name

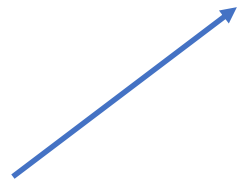


Not alternative, but complementary



~~Alt~~metrics

(a brief aside)



Is a terrible name

Not alternative, but complementary

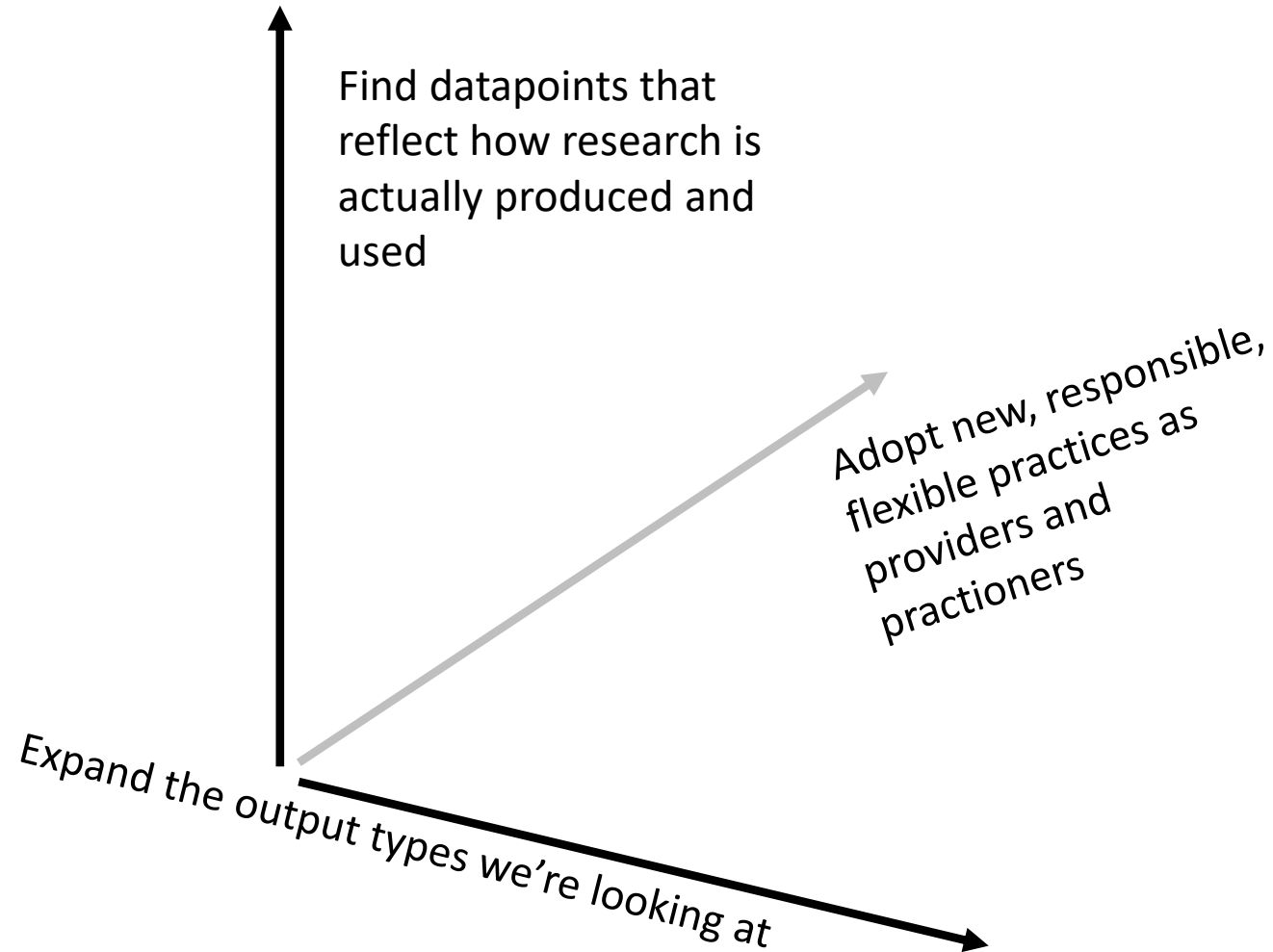
~~Altmetrics~~

(a brief aside)

Is a terrible name

Not metrics, but indicators

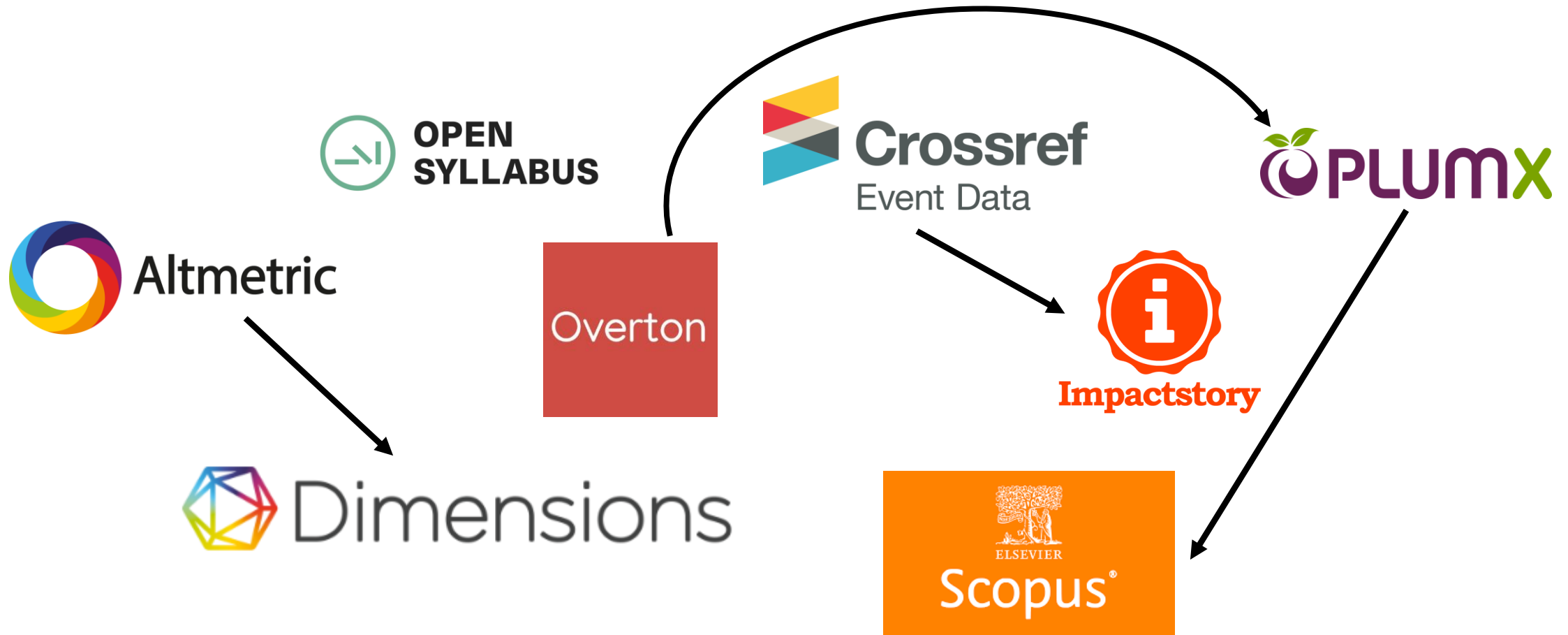
Aims to expand research assessment in 3 directions



Altmetrics providers



Altmetrics providers



Common altmetrics

- News mentions – how often did a research output appear on mainstream news websites?
- Social media mentions – did it get talked about on Twitter or Facebook?
- Blog mentions – did it get linked to from scientific blogs?
- Wikipedia – is it cited by any Wikipedia pages?
- F1000, Pubpeer - has it been reviewed by academics?
- Mendeley saves – have researchers been saving it to their reference manager?
- Policy citations – did it get cited in government policy documents?
- Syllabi – is it a course text or otherwise on the reading list for any university courses?
- Clinical guidelines – did it get cited by any clinical guidelines?
- Patent citations – did it get cited by any patents?

Research “qualities”

- At different times you may be interested in different aspects of how a paper is being read and used: in the attention, influences or impacts associated with it.
- In any given scenario pick the approach and data most appropriate to what you’re trying to assess.

Common altmetrics

- News mentions – how often did a research output appear on mainstream news websites?
- Social media mentions – did it get talked about on Twitter or Facebook?
- Blog mentions – did it get linked to from scientific blogs?
- Wikipedia – is it cited by any Wikipedia pages?
- F1000, Pubpeer - has it been reviewed by academics?
- Mendeley saves – have researchers been saving it to their reference manager?
- Policy citations – did it get cited in government policy documents?
- Syllabi – is it a course text or otherwise on the reading list for any university courses?
- Clinical guidelines – did it get cited by any clinical guidelines?
- Patent citations – did it get cited by any patents?

Common altmetrics

- News mentions – how often did a research output appear on mainstream news websites?
- Social media mentions – did it get talked about on Twitter or Facebook?
- Blog mentions – did it get linked to from scientific blogs?
- Wikipedia – is it cited by any Wikipedia pages?
- F1000, Pubpeer - has it been reviewed by academics?
- Mendeley saves – have researchers been saving it to their reference manager?
- Policy citations – did it get cited in government policy documents?
- Syllabi – is it a course text or otherwise on the reading list for any university courses?
- Clinical guidelines – did it get cited by any clinical guidelines?
- Patent citations – did it get cited by any patents?

Common altmetrics

- News mentions – how often did a research output appear on mainstream news websites?
- Social media mentions – did it get talked about on Twitter or Facebook?
- Blog mentions – did it get linked to from scientific blogs?
- Wikipedia – is it cited by any Wikipedia pages?
- F1000, Pubpeer - has it been reviewed by academics?
- Mendeley saves – have researchers been saving it to their reference manager?
- Policy citations – did it get cited in government policy documents?
- Syllabi – is it a course text or otherwise on the reading list for any university courses?
- Clinical guidelines – did it get cited by any clinical guidelines?
- Patent citations – did it get cited by any patents?

Rules of thumb when looking at altmetrics

- Have a goal in mind: what exactly are you interested in assessing?
What is irrelevant?
- Context is king: always check why numbers are high
- Try to understand the biases and caveats of relevant data sources
- Use the quantitative (indicators) to support the qualitative (story)

Exercise 1

“A randomized trial of e-cigarettes versus nicotine-replacement therapy”

(from QMU & King’s)

- “What is the societal impact of this paper?”
- Do you think that altmetrics data is useful in the context of that question?
- If so how might you present it in order to answer? As metrics? Informing a case study? A different way?
- What data or extra analysis if any is missing?

Exercise 1 – dataset

<https://www.nejm.org/doi/metrics/10.1056/NEJMoa1808779>

[or](#)

<https://www.altmetric.com/details/54720742>

“A randomized trial of e-cigarettes versus nicotine-replacement therapy”

(from QMU & King’s)

Metrics ⓘ


Page Views

 275,972

Citations

 839

Social Media

 Ranks 66th

Page Views ⓘ

First 30 days

Last 30 days

12 months

Total Views

February 14, 2019

N Engl J Med 2019; 380:629-637

DOI: 10.1056/NEJMoa1808779

Chinese Translation [中文翻译](#)



A Randomized Trial of E-Cigarettes versus Nicotine-Replacement Therapy

Overview of attention for article published in New England Journal of Medicine, February 2019



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

- Mentioned by
- 364 news outlets
 - 41 blogs
 - 10 policy sources
 - 3069 tweeters
 - 5 patents
 - 33 Facebook pages
 - 5 Wikipedia pages
 - 4 Redditors
 - 1 research highlight platform
 - 5 video uploaders

MORE...

- SUMMARY
- News
- Blogs
- Policy documents
- Twitter
- Patents
- Facebook
- Wikipedia
- Reddit
- Research highlights
- More...

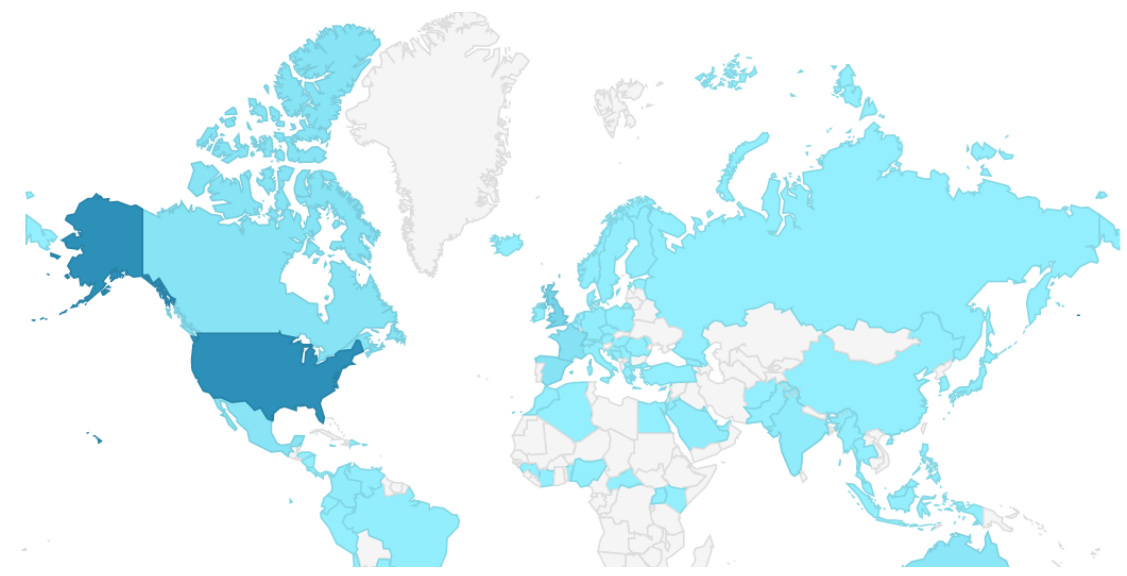
Title	A Randomized Trial of E-Cigarettes versus Nicotine-Replacement Therapy
Published in	New England Journal of Medicine, February 2019
DOI	10.1056/nejmoa1808779 ↗
Pubmed ID	30699054 ↗
Authors	Peter Hajek, Anna Phillips-Waller, Dunja Przulj, Francesca Pesola, Katie Myers Smith, Natalie Bisal... [show]

[View on publisher site](#)

[Alert me about new mentions](#)

TWITTER DEMOGRAPHICS
MENDELEY READERS
ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **3,069** tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)



Mentioned by

- 364 news outlets
- 41 blogs
- 10 policy sources
- 3069 tweeters
- 5 patents
- 33 Facebook pages
- 5 Wikipedia pages
- 4 Redditors
- 1 research highlight platform
- 5 video uploaders

Citations

- 929 Dimensions

Readers on

- 1127 Mendeley

Demographic breakdown

Type	Count	As %
Members of the public	2561	83%
Practitioners (doctors, other healthcare professionals)	226	7%
Scientists	211	7%
Science communicators (journalists, bloggers, editors)	40	1%
Unknown	31	1%



? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

High Attention Score compared to outputs of the same age (99th percentile)

High Attention Score compared to outputs of the same age and source (99th percentile)

LESS...

A Randomized Trial of E-Cigarettes versus Nicotine-Replacement Therapy

Overview of attention for article published in New England Journal of Medicine, February 2019



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

High Attention Score compared to outputs of the same age (99th percentile)

High Attention Score compared to outputs of the same age and source (99th percentile)

LESS...

- Mentioned by
- 364 news outlets
 - 41 blogs
 - 10 policy sources

- SUMMARY**
- News
- Blogs
- Policy documents
- Twitter
- Patents
- Facebook
- Wikipedia
- Reddit
- Research highlights
- More...

So far, Altmetric has seen **644** news stories from **364** outlets.

Showing items 1-100 1 2 3 4 5 6 7

Pesquisa FAPESP **Casi un millón de brasileños fuman cigarrillos electrónicos regularmente**
 Pesquisa Fapesp, 10 Jan 2023
 El 6 de julio, la Agencia Nacional de Vigilancia Sanitaria (Anvisa) resolvió mantener la prohibición de la importación y venta...

Pesquisa FAPESP **Almost one million Brazilians regularly use e-cigarettes**
 Pesquisa Fapesp, 13 Dec 2022
 On July 6, the Brazilian Health Regulatory Agency (ANVISA) maintained the prohibition on the importation and sale of electronic...

aerzteblatt.de **Pro und Contra: Starke Raucher sollten vorübergehend E-Zigaretten...**
 Deutsches Ärzteblatt, 29 Oct 2022
 Berlin E-Zigaretten sind ein beliebtes Mittel zum Rauchstopp. Bisher durchgeführte randomisiert kontrollierte Studien zeigen...

reason.com **Will Californians overrule the state's intrusive flavored tobacco ban?**
 Reason, 26 Oct 2022
 Tobacco Voters have shown a propensity to veto the meddlesome efforts of lawmakers in the past.

mdr **Unbelegt: E-Zigaretten helfen, mit dem Rauchen aufzuhören**
 Mitteldeutscher Rundfunk, 26 Oct 2022
 Geprüft von der MDR WISSEN-Redaktion am 21.10.2022. E-Zigaretten gelten als harmlosere Alternative zum herkömmlichen Rauchen...

Pesquisa FAPESP **Quase 1 milhão de brasileiros fumam regularmente cigarros eletrônicos**
 Pesquisa Fapesp, 05 Sep 2022
 Em 6 de julho, a Agência Nacional de Vigilância Sanitária (Anvisa) manteve a proibição da importação e venda no Brasil dos...

LA TRIBUNE **Comment choisir son Kit cigarette électronique quand on débute...**
 La Tribune, 22 Aug 2022

YAHOO! **Vaping vs. Smoking: Is One Better for Your Lungs? Here's What Experts Say**
 Yahoo!, 17 Aug 2022

A Randomized Trial of E-Cigarettes versus Nicotine-Replacement Therapy

Overview of attention for article published in New England Journal of Medicine, February 2019



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

High Attention Score compared to outputs of the same age (99th percentile)

High Attention Score compared to outputs of the same age and source (99th percentile)

LESS...

Mentioned by

- 364 news outlets
- 41 blogs
- 10 policy sources

SUMMARY

News

Blogs

Policy documents

Twitter

Patents

Facebook

Wikipedia

Reddit

Research highlights

More...

So far, Altmetric has seen **8617** tweets from **3069** users, with an upper bound of **8,972,191** followers.

Showing items 1-100

1 2 3 4 5 6 7 8 9 ... 86 87



James A
@GoBeepUK

1,497
FOLLOWERS

@alliao @quigleythepug @vincristine If determined to be against Big T, stand up for your local vape shops, small and medium-sized vaping businesses, and oppose overregulation that puts them out of business. 4/4 Big Tobacco didn't invent vaping: <https://t.co/ABMkt6Lgv5>

16 Feb 2023

Reply Retweet Favourite



Charles A. Gardner, PhD
@ChaunceyGardner

@Zgancedo And yet, when a smoker switches to nicotine vaping, the number and severity of lung infections (flu & common colds) drop dramatically. <https://t.co/ABMkt6Lgv5> Coughing and phlegm drop. <https://t.co/tpzLMBsXzb> And their lung cilia recover fu

12 Feb 2023



James A
@GoBeepUK

@ShariefEucef @vapeindia Big Tobacco didn't invent nicotine vaporisers (e-cigarettes) and they don't control the vaping market. (anti-vaping increases big tobacco monopoly) <https://t.co/SWkABVQcUL> "MYTH 6 - Trojan horse" - PHE <https://t.co/BVfKp3IMzb> http

11 Feb 2023



Michael Redfearn
@RedfearnMike

@evelynedeleeuw @firstdogonmoon You can hear it from him here. 2/ <https://t.co/aTxGdtAiFA>

11 Feb 2023



N100 machinalis
@PsionicPsittacc

Fuck your wilfully ignorant moral panic



James A
@GoBeepUK

RT @ABillionLives: #BloombergFunded Tobacco-Free Kids bizarrely claims that

A Randomized Trial of E-Cigarettes versus Nicotine-Replacement Therapy

Overview of attention for article published in New England Journal of Medicine, February 2019



? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

High Attention Score compared to outputs of the same age (99th percentile)

High Attention Score compared to outputs of the same age and source (99th percentile)

LESS...

Mentioned by

- SUMMARY**
- News
- Blogs
- Policy documents
- Twitter
- Patents
- Facebook
- Wikipedia
- Reddit
- Research highlights
- More...

? So far, Altmetric has seen 5 patents that reference this research output.

Devices for evaporation and inhalation of active agents
 Grant US-11202871-B2
 United States of America
 21 Dec 2021

Articles and formulations for smoking products and vaporizers
 Grant US-10973255-B2
 United States of America
 13 Apr 2021

Articles and formulations for smoking products and vaporizers
 Grant US-10897925-B2
 United States of America
 26 Jan 2021

Articles and formulations for smoking products and vaporizers
 Grant US-10820624-B2
 United States of America
 03 Nov 2020

Articles and formulations for smoking products and vaporizers
 Grant US-10777091-B2
 United States of America
 15 Sep 2020

Comparisons

Compared to Other NEJM Articles

In the

99th percentile

Ranks

66th

Compared to Articles in Other Medical Journals

In the

99th percentile

Ranks

635th

Other Activity



Emailed

288

Social Media ⓘ



Twitter		3069
Blog		41
Facebook		33

Exercise 1 - contrast

<https://militaryhealth.bmj.com/content/early/2023/01/03/military-2022-002237.altmetrics>

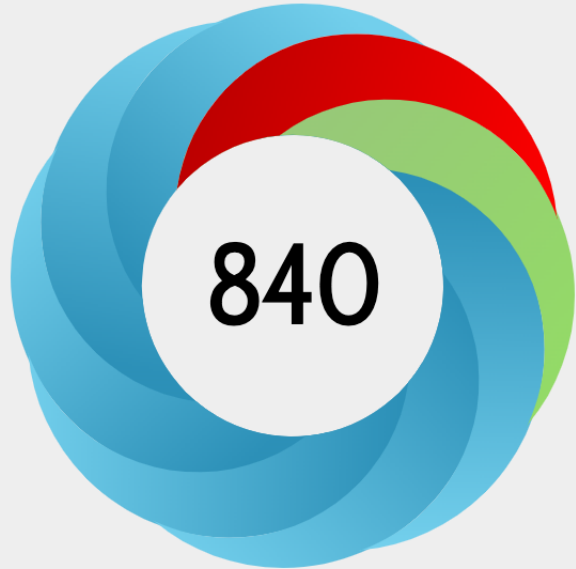
[or](#)

<https://bmj.altmetric.com/details/140855410>

“Impact of cold exposure on life satisfaction and physical composition of soldiers”

Impact of cold exposure on life satisfaction and physical composition of soldiers

Overview of attention for article published in BMJ Military Health, January 2023



[?](#) About this Attention Score

In the top 5% of all research outputs scored by Altmetric

[MORE...](#)

Mentioned by

 1 news outlet

SUMMARY

News

Twitter

Video

[?](#) So far, Altmetric has seen **1944** tweets from **1849** users, with an upper bound of **5,068,010** followers.

Showing items 1–100

1 2 3 4 5 6 7 8 9 ... 19 20



drMAWZ

@TheDrMAWZ

[@DrRalphNap](#) [@anymanfitness](#) It's actually been proven to help with fat loss <https://t.co/q2Djwj5vbs>

06:37AM



Luis Tobajas Belvís  

@luisotobajas

RT [@DoctorCasado](#): Las duchas frías mejoran la percepción de salud (y en hombres reducen grasa abdominal y cintura). <https://t.co/BwTY02iAcc>

06:12AM

Context is key

Health Nerd @GidMK

This paper on cold immersion recently went viral, because it seems to indicate that cold water can improve many facets of human health!

Except, the paper shows PRECISELY THE OPPOSITE OF THAT

A 1/n

Andrew D. Huberman, Ph.D. @hubermanlab

A 2 min cold immersion to the neck and five, 30 second cold showers per week led to a significant reduction in abdominal fat and waist circumference in the men in this study; also multiple psychological improvements related to stress & wellbeing.

pubmed.ncbi.nlm.nih.gov
Impact of cold exposure on life satisfaction and physical c...
Cold water exposure can be recommended as an addition to routine military training regimens. Regular exposure ...

4:41 AM · Mar 4, 2023 · 4.3M Views

1,137 Retweets 167 Quote Tweets 10K Likes

4:08 AM · Mar 8, 2023 · 1.8M Views

Stuart Ritchie @StuartJRitchie · Mar 5

- Sample size: 49
- p-values: 0.045, 0.052, 0.029, 0.032 (i.e. prima facie p-hacking)
- Scientific value: very little
- Number of views on Twitter regardless: 3,000,000

Doesn't this Huberman guy have any standards for the stuff he promotes to his huge audience?

(via @alexabelson9)

Andrew D. Huberman, Ph.D. @hubermanlab · Mar 3

A 2 min cold immersion to the neck and five, 30 second cold showers per week led to a significant reduction in abdominal fat and waist circumference in the men in this study; also multiple psychological improvements related to stress & wellbeing.
pubmed.ncbi.nlm.nih.gov/36599485/
[Show this thread](#)

111 339 3,013 967.9K

Stuart Ritchie @StuartJRitchie · 20h

Love some of the people that come out of the woodwork to reply to this ^:

- "Acktchually I'm very clever and it's FINE if scientists run tiny, p-hacked studies"
- "He's at Stanford so how can you judge him?"
- "You have a Ukraine flag in your username so you must be a beta cuck"

10 3 106 15.1K

“The more any quantitative indicator is used for social decision-making, the more subject it will become to corruption pressures and the more apt it will be to distort and corrupt the social processes it is intended to monitor.”

Donald T Campbell

Exercise 2

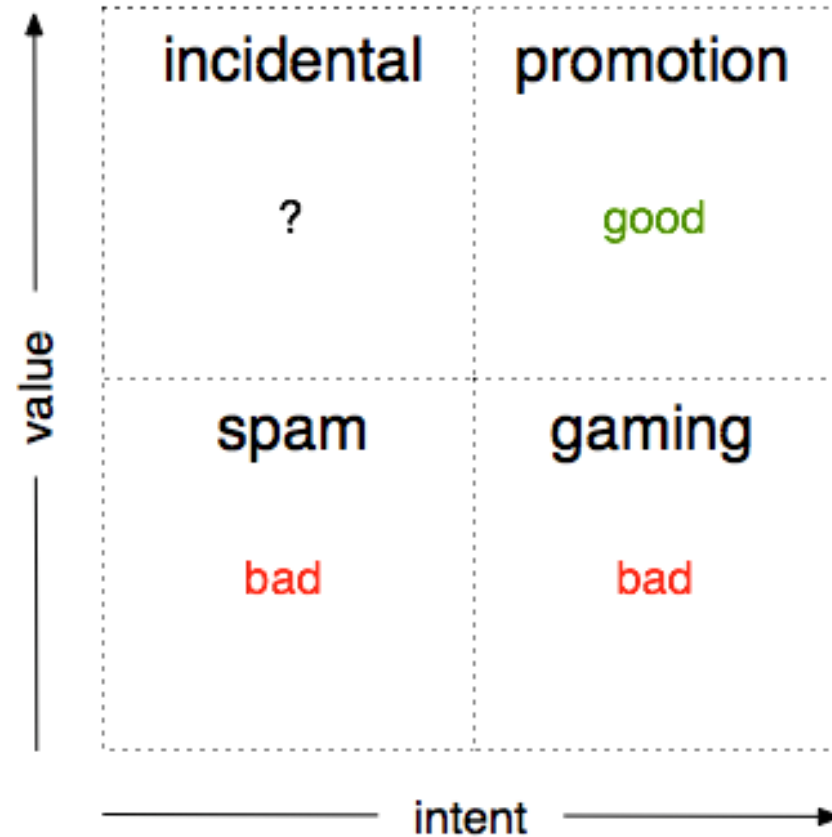
- You work for an altmetrics provider.
- You're interested in measuring attention (not the same as quality).
- You've signed up to DORA, which states:
 13. Be clear that inappropriate manipulation of metrics will not be tolerated; be explicit about what constitutes inappropriate manipulation and what measures will be taken to combat this.
- Which of the following scenarios are you comfortable with, and what is unacceptable manipulation?

Alice has a new paper out...

1. She tweets about it, and twenty of her (non-academic) friends retweet her in support.
2. She writes about it on her lab's blog and sends an email highlighting it to a colleague who reviews for Faculty of 1000.
3. She asks her colleagues to share it via social media if they think it'd be useful to others.
4. She asks those grad students of hers who blog to write about it.
5. She believes that it contains important information for diabetes patients and so pays for an in-stream advert on Twitter.
6. She believes that it contains important information for diabetes patients and so signs up to a '100 retweets for \$\$\$' service.

.... look at value & intent

“We define gaming as any activity intended to influence article metrics, where the content adds no value to the conversation around a paper and is just there to bump up numbers.”



Biases, caveats and appropriate inputs

- If you're using an altmetrics source, look at these three things in turn to try and flag up potential issues early
- **Biases:** what biases in the source itself could affect our analysis?
- **Caveats:** what technical shortcomings do we need to bear in mind?
- **Appropriate inputs:** you don't need to restrict yourself to article DOIs

Biases

- Toward geographies: *Twitter is banned in China*
- Towards certain types of venue: *only science blogs are collected, not news blogs that may occasionally have a science story in them*
- Towards certain kinds of user: *we don't track downloads made from the mobile site*
- Towards older or more recent articles: *data collection for the source only started in 2018, so we can't tell for sure how frequently older articles were mentioned*
- Towards subject areas: *book tracking isn't very good, which is fine for medical sciences but 30% of our social science outputs are books*

Caveats

- Ideally - what is the approximate precision and recall rate for citations in the source?
- Do citations need to be in a specific format?
- Does it collect from everywhere, or just some parts of the data source? (e.g all Wikipedia languages? All news sites on the web?)
- How often is the source updated by the provider?

Appropriate inputs

- Do you have the inputs you need to be able to answer your question?
- If we're looking for broader social impacts from the School of Economics, is it enough to have a list of article DOIs from Scopus?
 - Working papers or other pieces of grey literature?
 - Datasets?
 - Names of individual academics, to find e.g. policy mentions for?
- If using ORCID, do your authors have up to date records?
- If using Fundref, are your articles adequately represented?

Exercise 3

<https://app.overton.io>

Email:

euan+aesis@overton.io

Password:

!impactconf

Exercise 3

1. Start from a policy area – what impact might we be having here?
 - Search “COVID-19 AND masks”
 - Use the “Cites or mentions institution” filter on the sidebar
2. “second order” citations
 - Change “sorted by” to “citations”
3. Start from outputs – where might we be involved in other areas?
 1. Select an institution
 2. Choose “See Report”
 3. If the result set is large, optionally select a country
 4. Choose “Explore” -> “Explore the topics in these documents”

SEARCH POLICY DOCUMENTS

SEARCH PEOPLE

SEARCH SCHOLARLY ARTICLES

covid-19 AND masks

Search policy

or

Reset search

Click to hide search filters

Showing documents matching the query 'covid-19 AND masks' sorted by Relevance

CITES OR MENTIONS INSTITUTION

University College Dublin	335
Harvard University	2,716
University of Oxford	2,271
Stanford University	1,791
Johns Hopkins University	1,641

show more

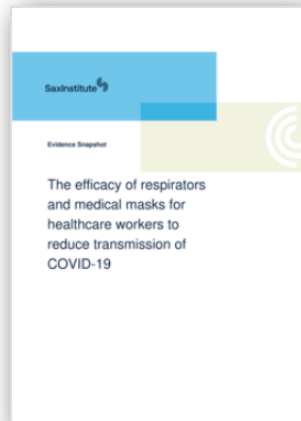
SOURCE TYPE

government	20,228
think tank	4,859
igo	3,897
government > city	1,850

- Save search
- See report
- Export
- Explore

Showing 28,802 results

Policy document



The efficacy of respirators and medical masks for healthcare workers to reduce transmission of COVID-19

Sax Institute on August 18th 2020 Publication

August 2020. This Evidence Snapshot is a rapid review of the evidence for the efficacy healthcare workers use of N95 masks compared with surgical masks in reducing COVID-19 transmission in hospitals and residential aged-care. The review identified 13 reviews and one commentary addressing comparative effectiveness of respirators and medical masks, eight of which were specific [...]

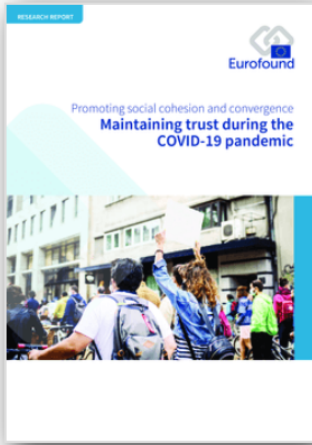
N95 RESPIRATOR

SURGICAL MASK


RESPIRATOR

Tag this Download PDF





Maintaining trust during the COVID-19 pandemic.

 Ahrendt, Daphne, Consolini, Michele, Saeys, Mathis & others from Publications Office of the European Union on December 8th 2022 [Publication](#)

The report examines how citizens' trust in institutions – including national governments, the EU, science and the media – evolved during the COVID-19 pandemic in 2020 and 2021. The role of the media is analysed, in particular the relationship between the use of social media and trust and the impact of misinformation (incorrect or misleading information) and disinformation (deliberately deceptive information) during the crisis period. Based on an extensive literature review, the report describes

[NEWS](#)[SOCIAL DISTANCING](#)[SOCIAL CAPITAL](#)[Tag this](#)[Download PDF](#)

Social capital, political trust and purchase of illegal liquor: A population-based study in southern Sweden

Martin Lindström (2008) *Health Policy*

Author from **Malmö University** is **Martin Lindström**

“ The literature on the consequences of trust for compliance is scarce; however, there is evidence supporting the hypothesis that both social trust and institutional trust favour compliance (Scholz and Lubel, 1998; Levi and Stoker, 2000; Lindström, 2008; Marien and Hooghe, 2011). ”

[On page 24](#)

Lindström, M. 2008, Social capital, political trust and purchase of illegal liquor: A population-based study in southern Sweden, *Health Policy* Vol. 86, No. 23, pp. 266275.

[On page 62](#)



Showing documents

matching the query 'covid-19 AND masks' ×

and

connected to Malmö University ×

sorted by

↓ Citations ▾

☆ Save search

📄 See report

📁 Export ▾

🔍 Explore ▾

Showing 45 results

1

2

3

Policy document



DHSC/ONS/GAD/HO: Direct and indirect impacts of COVID-19 on excess deaths and morbidity, 15 July 2020

Scientific Advisory Group for Emergencies from The UK Government on August 7th 2020 (13 citations) Publication

Paper prepared by the Department of Health and Social Care (DHSC), Office for National Statistics (ONS), Government Actuary's Department (GAD) and Home Office (HO).

CRITICAL ILLNESS POLYNEUROPATHY

INTENSIVE CARE MEDICINE

INTENSIVE CARE UNIT

🏷 Tag this

📄 Download PDF

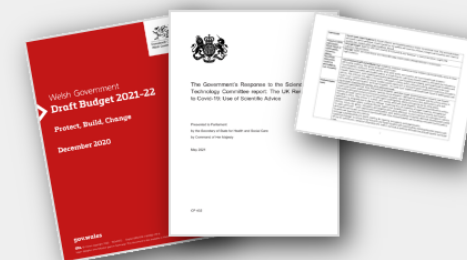
📄 Rights & permissions: Open Government Licence

Deaths rise in good economic times: Evidence from the OECD

Ulf-G. Gerdtham et al. (2006) *Economics & Human Biology*

Author from Malmö University is Ulf Gerdtham

CITED BY KEY SOURCES



Cited in 11 documents from UK Parliament Select Committee Publications & more



Metrics based approaches

- Ideally we'll compare apples to apples
- Control for age and subject area
- Bear in mind that metrics based approaches are safer for large datasets, risky for small ones

Share of Voice

“When we look at government documents about geoengineering, papers from our institution appear in 22% of them, second to Harvard (28%) and Oxford (26%)”

- Take the number of documents which match your criteria, divide it by the total number of documents

Compared to Expected

“12% of the articles we published in 2018 have been cited in policy, compared to the 8% we might have expected”

- Given a large set of DOIs X:
 - Calculate the proportion of X cited in policy
 - Build a set of comparands Y, pairing each DOI in X with a randomly selected DOI published in the same journal and close to the same time
 - Calculate the proportion of Y cited in policy
 - Repeat the comparands step 1k times to obtain a distribution
 - Compare actual proportion to the distribution to see if it is higher, lower or as expected and to what degree

Thanks for participating!

- Am always happy to chat – ewan@overton.io

Enjoy the science gallery!

Bonus exercise

<https://www.altmetric.com/explorer/login>

Email:

euan+aesis@overton.io

Password:

!impactconf