



Altmetric data, services, and platform: An overview

Presented at a MedComms Networking event, 3 May 2017

**Altmetric is a data science company
dedicated to tracking and analyzing the
online activity around scholarly research
outputs**



We're best known for our data integrations with top journal publishers

The image displays two overlapping screenshots. The top screenshot shows the CDC website header with the logo, name 'Centers for Disease Control and Prevention', and tagline 'CDC 24/7: Saving Lives, Protecting People™'. It includes a search bar with a 'Search MMWR Only' checkbox and a 'SEARCH' button. A 'CDC A-Z INDEX' dropdown menu is also visible.

The bottom screenshot shows an article page from 'The American Journal of Cardiology'. The article title is 'Body Mass Index, Playing Position, Race, and the Cardiovascular Mortality of Retired Professional Football Players'. The authors listed are Sherry L. Baron, MD, Misty J. Hein, PhD, Everett Lehman, MS, and Christine M. Gersic. The article is dated March 15, 2012, Volume 109, Issue 6, Pages 889-896. A red box highlights the 'Altmetric' score of 83. The 'Article Tools' section includes options for PDF (269 KB), Download Images (.ppt), Email Article, Add to My Reading List, Export Citation, Create Citation Alert, and Cited by in Scopus (34). A social media widget shows 47 total shares: 1 Blog, 50 Twitter, and 5 Facebook. A 'Format: Select one' dropdown menu is also present.


6000 journals, 100+ publishers globally



Example: Attention to a Clinical Trial

HOPE-Duchenne (Halt cardiomyopathy progression in Duchenne)

Overview of attention for clinical trial study record



592

About this Attention Score

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

Mentioned by

- 74 news outlets
- 1 blog
- 10 tweeters
- 3 Facebook pages
- 1 Google+ user

MORE...

What is this page?

SUMMARY News Blogs Twitter Facebook Google+

So far, Altmetric has seen **151** news stories from **74** outlets.

Showing items 1-100 1 2

BioPortfolio **Capricor Therapeutics: HOPEful Thoughts for an Early Approval**
Bioportfolio, 09 Sep 2016
Why is this Important? Based on this single Phase I/II trial, the FDA may grant conditional approval.

Seeking Alpha **Capricor completes enrollment in Phase 1/2 study assessing lead product candidate CAP-1002 in DMD**
Seeking Alpha, 07 Sep 2016
Capricor Therapeutics (CAPR +3.8%) hits its enrollment target of 25 patients in its Phase 1/2 study, HOPE-Duchenne, assessing...

freshnews.com **Capricor Therapeutics Completes Enrollment in Randomized HOPE Clinical Trial in Duchenne Muscular Dystrophy**
Fresh News, 07 Sep 2016
LOS ANGELES, Sept. 7, 2016 /PRNewswire/ — Capricor Therapeutics, Inc. (NASDAQ: CAPR), a clinical-stage biotechnology company...

wfmj.com **Capricor Therapeutics Completes Enrollment in Randomized HOPE Clinical Trial in Duchenne Muscular Dystrophy**
WFMJ, 07 Sep 2016
SOURCE Capricor Therapeutics, Inc. To Report Top-Line Six-Month Data in the First Quarter of 2017 LOS ANGELES John Jefferies "The...

NewsWest9 **Capricor Therapeutics Completes Enrollment in Randomized HOPE Clinical Trial in Duchenne Muscular Dystrophy**
NewsWest9, 07 Sep 2016



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welcome trust



ELSEVIER



THE
WORLD
BANK



THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

Duke
UNIVERSITY



Government
of Canada

Gouvernement
du Canada

Canadian Institutes
of Health Research



BILL & MELINDA
GATES foundation



Smithsonian



Springer

MAX-PLANCK-GESELLSCHAFT



THE NATIONAL ACADEMIES PRESS



NIOSH



John
Templeton
Foundation



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Complete overview of offerings by use case:



Explorer for Institutions platform

Deeper dive in Appendix

- **Reporting from article/group level to entire organization**
 - Department, group, individual researcher
- **Visualizations/alerts**
- ***Access to full Altmetric database***
 - ~10.6M+ outputs and growing hourly
- **Easy implementation/maintenance**
- **Custom reporting**



Explorer for Institutions platform

Deeper dive in Appendix

EXPLORE THE ALTMETRIC DATABASE

SEARCH FOR RESEARCH OUTPUTS...

FULL DATABASE OR MY INSTITUTION ONLY

+ ADVANCED SEARCH

Showing all research outputs from CDC NIOSH sorted by Altmetric Attention Score [SAVE SEARCH](#)

Sort by

Molecular Evidence of Sexual Transmission of Ebola Virus. Article in <i>New England Journal of Medicine</i> , October 2015	Ionising radiation and risk of death from leukaemia and lymphoma in radiation... Article in <i>The Lancet Haematology</i> , July 2015
Global, regional, and national disability-adjusted life years (DALYs) for 306... Article in <i>The Lancet</i> , August 2015	Risk of cancer from occupational exposure to ionising radiation:... Article in <i>British Medical Journal</i> , October 2015
Early assessment of cancer outcomes in New York City firefighters after the 9... Article in <i>The Lancet</i> , September 2011	The State of US Health, 1990-2010: Burden of Diseases, Injuries, and Risk... Article in <i>JAMA: Journal of the American Medical Association</i> , January 2013
Cancer Incidence in World Trade Center Rescue and Recovery Workers, 2001-2008 Article in <i>Environmental Health Perspectives</i> , June 2013	Association Between Rotating Night Shift Work and Risk of Coronary Heart... Article in <i>JAMA: Journal of the American Medical Association</i> , April 2016
Global and regional mortality from 235 causes of death for 88... Article in <i>Lancet</i> , August 2015	Crystalline Silica Dust and Respirable Particulate Matter Article in <i>Environmental Health Perspectives</i> , June 2013

OVERVIEW

[ANALYZE THESE RESULTS](#)

Total mentions	21,132
Research outputs	12,831
Outputs with mentions	2,313
Sources of attention	15

[Export results as CSV](#)

ATTENTION SUMMARY





MY INSTITUTION



DEPARTMENTS AT CDC NIOSH



All research outputs from CDC NIOSH →



▼ Divisions →

1,135 research outputs with mentions

> Current Division Acronyms
970 research outputs with mentions →

> Historic NIOSH Division Acronyms
208 research outputs with mentions →

> Historic USBM Acronyms
3 research outputs with mentions →

▼ NORA Priority Area →

726 research outputs with mentions

Agriculture, Forestry and Fishing
58 research outputs with mentions

All Sectors
2 research outputs with mentions

Construction
112 research outputs with mentions

Disease and Injury: Allergic and Irritant Dermatitis
0 research outputs with mentions



Organize your data with custom dept structures

IP authenticated or login/password access based on your org's preferences



```
<meta name="generator" content="Drupal / (http://drupal.org) />
<meta name="apple-itunes-app" content="app-id=411537773" />
<title>Pathologic Complete Response Rates After Neoadjuvant Trastuzumab Emtansine (T-DM1) + Pertuzumab vs. Docetaxel + Carboplatin + Trastuzumab + Pertuzumab
Patients with HER2-Positive (HER2+) Early Breast Cancer(KRISTINE/TRIO-021) | 2016 ASCO Annual Meeting | Virtual Meeting | Meeting Library</title>
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<link type="text/css" rel="stylesheet" href="//ajax.googleapis.com/ajax/libs/jqueryui/1.8.7/themes/base/jquery.ui.dialog.css" media="all" />
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<link type="text/css" rel="stylesheet"
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```

Commercial API...Query the database directly

```
<!--[if IE 8]>
<link type="text/css" rel="stylesheet" href="//meetinglibrary.asco.org/sites/meetinglibrary.asco.org/files/advagg_css/css_g8nCWBmSd62jFuAupDDNwcUlo5ddPnLGzGtRSt8bKZ8_0AeFChWv7Jl8yVt60RECE3ror2re8m-
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<link type="text/css" rel="stylesheet" href="//meetinglibrary.asco.org/sites/meetinglibrary.asco.org/files/advagg_css/css_P3FwUcBdRDMEkWj8BWXoH4TvvTWd-o0JB40U4
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glQkWE_LbxGVB6izezlmxs2GV7AXH0GonCICxh9QxRegTZ6JaI.css" media="all" />
<![endif]>
```

Or have us do it for you via our suite of services...

```
<!--[if IE 6]>
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gQkCNUWFZz7xgYzkYHsgkha2_Ichooe9DRpok_LbxGVB6izezlmxs2GV7AXH0GonCICxh9QxRegTZ6JaI.css" media="all" />
<![endif]>
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```
<!--[if (lt IE 9)&(!IEMobile)]>
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href="//meetinglibrary.asco.org/sites/meetinglibrary.asco.org/files/advagg_css/css_9goz_5FN23r5AiwPnczFiHD5Cjorxae1bU9h5Pkswtw__Wde7ShPNsZf4WJKA4KB-
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<![endif]>
```

```
<!--[if gte IE 9]><!-->
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GF3odWwRKhONsMxwxmMdQ_HOQNUfWsSofHxs2Zx_6G4x9pxGkmTaFyDFq4iXN00AA_LbxGVB6izezlmxs2GV7AXH0GonCICxh9QxRegTZ6JaI.css" media="all" />
```



Commercial API/Badge imbeds...Feed our data where you want it

Home page





Moffitt and Caspi

Home

What's New

- Caspi >
- Moffitt >
- People >
- Publications >
- What's New >
- Proposed Project Concepts & Data Sharing >
- Public Lectures >
- Predict My Future >
- Gene x Environment >
- Antisocial Behavior >
- Geocoding >
- Cannabis >

The genetics of success: How SNPs associated with educational attainment relate to life-course development
 Belsky DW, Moffitt TE, Corcoran DL, Domingue D, Harrington HL, Hogan S, Houts R, Ramrakha S, Sugden K, Williams B, Poulton R, Caspi A
 2016 Psychological Science
[PDF for Full Article](#), [Online Supplement](#), [Fact Sheet](#)
[Press Release](#), [US News Article](#) by Robert Preidt, [New Scientist Article](#) by Jessica Hamzelou


Associations between cannabis use and physical health problems in early midlife: A longitudinal comparison of persistent cannabis versus tobacco users
 Meier MH, Caspi A, Cerda M, Hancox RJ, Harrington HL, Houts R, Poulton R, Ramrakha S, Thomson WM, Moffitt TE
 2016 JAMA Psychiatry
[PDF for Full Article](#), [Supplemental Material](#), [Fact Sheet](#), [Press Release](#), [Editorial](#)
[Psychology Today](#) article by Christopher Bergland, [The Late Show with Stephen Colbert](#)


Premiere of the Dunedin Study Documentary: "Predict My Future" documentary is released.
 NZ Herald article, [Entertainment TV/Radio](#)

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Scholars, Immigrants, Athletes: Stony Brook's Incoming Med Students Have Many Skills, Faces

School leadership and NYS Department of Health Commissioner welcome Class of 2020
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Latest Publications

Dean 

Length of hospital stay and 30-day readmission following heart failure hospitalization: insights from the EVEREST trial.
 Khan, Hassan | Greene, Stephen J | Fonarow, Gregg C | Kalogeropoulos, Andreas P | Ambrosy, Andrew P | Maggioni, Aldo P | Zannad, Faiez | Konstam, Marvin A | Swedberg, Karl | Yancy, Clyde W | Gheorghiade, Mihai | Butler, Javed
 European Journal Of Heart Failure



Neuronal hyperactivity accelerates depletion of neural stem cells and impairs hippocampal



Not everything has a persistent ID.

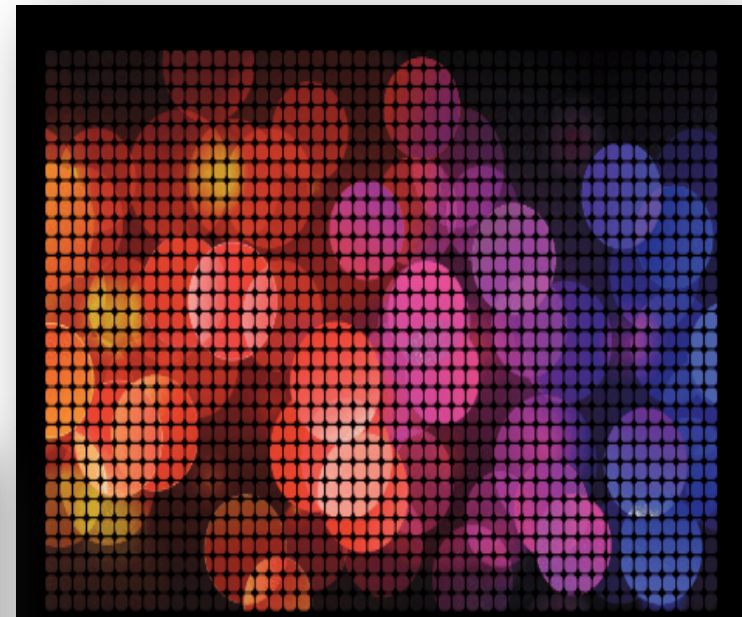
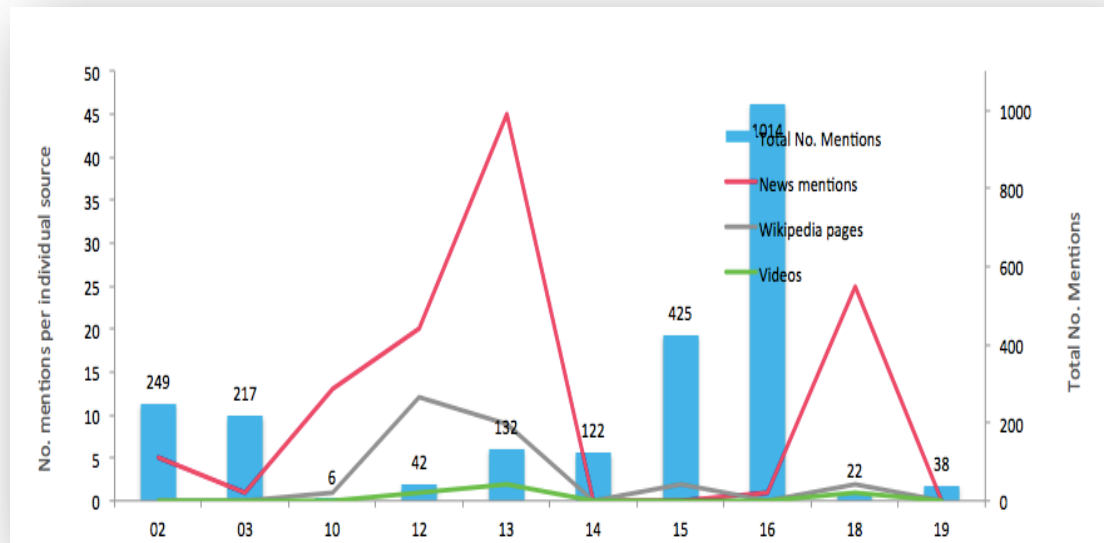
- **We can track anything on a discoverable website with **URI tracking****
- **Canonical URLs/custom metadata**
- **Currently using this for:**
 - Press releases
 - Websites
 - Blogs
 - White papers
 - Curricula
 - Conference posters/presentations



Custom visualizations/infographics: demos.altmetric.com



Custom reporting and analysis



Digital Research Reports

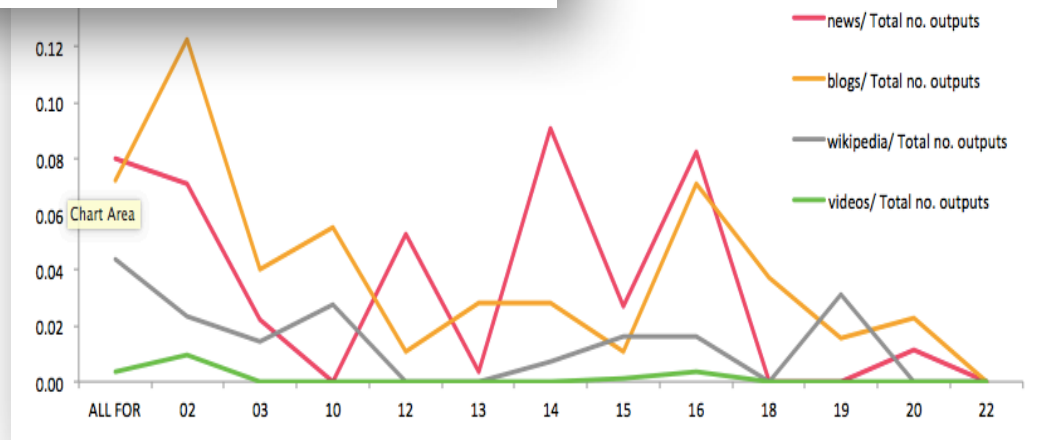
Altmetric mentions and the communication of medical research

s/Total # outputs (excluding 21 –

rch outcomes outside academia

Jonathan Adams & Tamar Loach

FEBRUARY 2015



Custom workshops/training

- **Defining impact assessment**
- **Mapping attention channels to impact definitions**
- **Introduction to altmetrics**
- **Train the trainer**
- **Custom**



What questions do you want to answer?

- **Who are our stakeholders?**
- **Where are they going for information?**
- **Are we penetrating those channels?**
- **How can we improve our scores? Our reach?**
- ***What do we mean by impact?***
 - Values-based evaluation



Thanks!

Ben McLeish

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