

# IMPACT REPORT



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*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

ABOUT

# THIS REPORT

The data collected about a National Academies of Sciences, Engineering and Medicine report, workshop summary or other product helps demonstrate its influence among policymakers, scholars, industry, and the public. Collecting and analyzing data for Academies' products can give insight into the product's national and global reach, how the product is impacting research in a certain field, and how this research is enacting change in policy and legislation.

This document highlights the 3 titles and identifies data from download metrics, peer-reviewed research and online attention. Staff currently use the data to identify possible collaborators, justify funding requests, identify new business opportunities and produce communication products.

QUESTIONS TO ASK

# WHEN EVALUATING DATA

- Where are our reports and summaries going?
- How are they being used?
- Were there any unanticipated outcomes or audiences?
- Were the reports effective in achieving their goals?
- What factors may explain some of the trends we're seeing?
- Does this lead to new questions?

DATA

# SOURCES

Multiple data sources and tools were used to compile this report. Please note these results are approximate and are dependent upon how a report has been indexed.

**NAXchange**

A metric tool created by the National Academies Press, this platform aggregates product user data including; print copies sold, downloads, user locations, user comments, user email domains, and email campaigns.

**Altmetric Platform**

A database that collects online attention and social media, by tracking data collected from blogs, Twitter, Facebook, Google+, message boards, mainstream newspapers, and magazines.

**Scopus**

Scopus is the largest abstract and citation database of peer-reviewed literature: scientific journals, books and conference proceedings.

**LexisNexis**

LexisNexis provides access to billions of searchable documents and records from more than 60,000 legal, news and business sources.

**Web of Science**

Web of Science contains a rigorously selected set of journals, including regional citation indexes, specialized subject indexes and research data sets.

Compiled by: National Academies of Sciences, Engineering, and Medicine: NAXchange  
Data Collected: January 16, 2018

# CONTENTS



## EDUCATION ---

[Next Generation Science Standards: For States, By States](#)

## HEALTH AND MEDICINE ---

[The Health Effects of Cannabis and Cannabinoids: The Current State of Evidence and Recommendations for Research](#)

[The Health of Lesbian, Gay, Bisexual, and Transgender People: Building a Foundation for Better Understanding](#)



# Next Generation Science Standards: For States, By States (2013)

## HIGHLIGHTS

Our report has been widely disseminated with a total of **23,921** full text downloads, putting it in the top **1%** of all National Academies Press products. **Thirty-five** major email campaigns sent to over **4,553,060** emails. We've gained exposure in the media with mentions in the Homeland Security News Wire and 113 tweets from public, science communicators, and scientist.

## WHO'S READING OUR REPORTS

We have achieved a broad international reach to 161 countries and have garnered downloads in all 50 states and the District of Columbia. Carefully analyzing of download domains (.org/.gov/.mil) showed local, state, federal and military agencies accounted for 15% of all downloads. The research and academic community (.edu) accounted for 16% and the public at large accounted for the remaining 67%.



## CITATIONS

- ASEE Annual Conference and Exposition, Conference Proceedings (28)
- International Journal of Science Education (16)
- Journal of Research in Science Teaching (12)
- Journal of Science Education and Technology (10)
- Research in Science Education (9)
- Science and Education (8)
- Science Education (7)
- Journal of Adolescent and Adult Literacy (5)

[View 1137 Results](#)

## ONLINE ATTENTION

[VIEW IN ALTMETRIC](#)

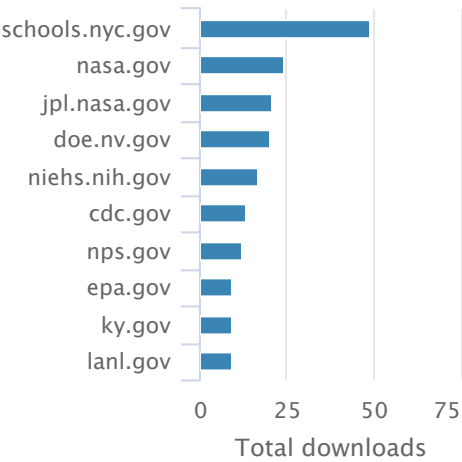


- 1 News outlet
- 113 Tweeters
- 25 Facebook posts
- 3 Google+ users
- 142 Total mentions

## NOTABLE NEWS

**Homeland Security News Wire**  
[Consistency, collaboration needed for effective implementation of science teaching standards](#)

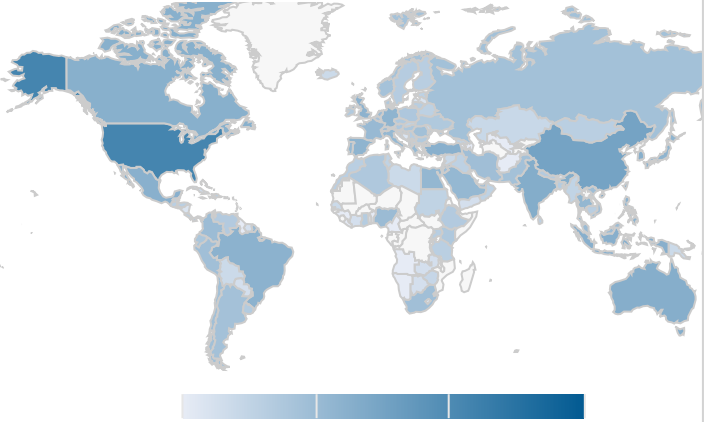
## DOWNLOADS BY AGENCY (.GOV)



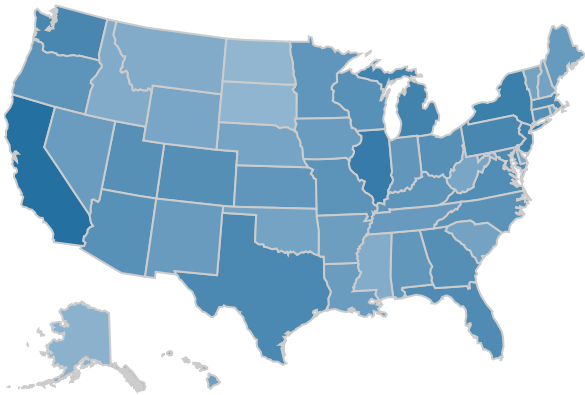
## RELATED RESOURCES

- Document (2)
- Video (3)
- Website (2)

## AROUND THE WORLD



## AROUND THE STATES



An abstract graphic composed of numerous overlapping circles of varying sizes. The circles are colored in a gradient from yellow on the left, through blue in the center, to green on the right. Some circles are solid, while others are hollow with thin outlines. The overall shape is roughly rectangular, with a slight curve on the right side. The background is white.

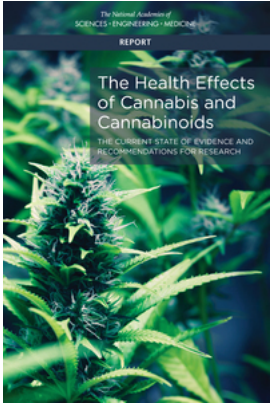
# Health and Medicine



# The Health Effects of Cannabis and Cannabinoids: The Current State of Evidence and Recommendations for Research (2017)

## HIGHLIGHTS

Our report has been widely disseminated with a total of **48,626** full text downloads, putting it in the top **1%** of all National Academies Press products. **Eleven** major email campaigns sent to over **1,905,418** emails. We've gained exposure in the media with mentions in the Washington Post, Huffington Post, CNN News, USA Today, PBS and 1,862 tweets from public, science communicators, and scientist.



## WHO'S READING OUR REPORTS

We have achieved a broad international reach to 166 countries and have garnered downloads in all 50 states and the District of Columbia. Carefully analyzing of download domains (.org/.gov/.mil) showed local, state, federal and military agencies accounted for 8% of all downloads. The research and academic community (.edu) accounted for 10% and the public at large accounted for the remaining 80%.

## CITATIONS

- Drug and Alcohol Dependence (6)
- Annals of Internal Medicine (4)
- Addictive Behaviors (3)
- International Journal of Drug Policy (3)
- Pediatrics (2)
- Neuropsychopharmacology (2)
- Neuroscience and Biobehavioral Reviews (2)
- New England Journal of Medicine (2)

[View 52 Results](#)

## ONLINE ATTENTION



**545** News outlets  
**35** Blogs  
**1** Wikipedia page  
**1,862** Tweeters  
**265** Facebook posts  
**15** Google+ users  
**1** Video  
**1** Policy  
**2,725** Total mentions

[VIEW IN ALTMETRIC](#)

## NOTABLE NEWS

### PBS

[What medical marijuana can and can't do for your health](#)

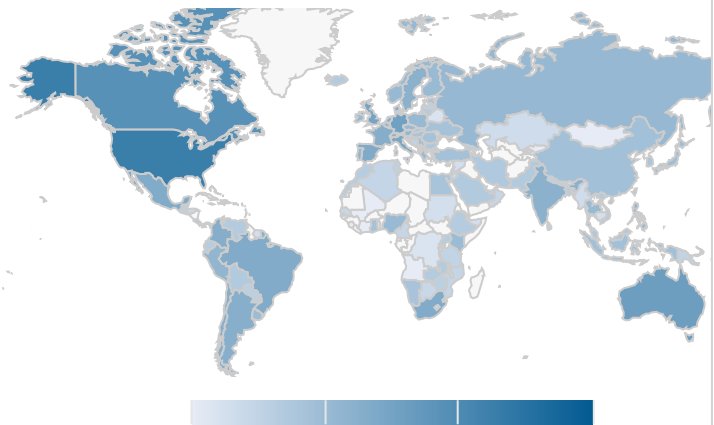
### CNN News

[We Just Got a Much Clearer Picture of Marijuana's Health Effects](#)

### Washington Post

[Perspective | Will VA chief be voice of reason on climate change and medical marijuana in Trump administration?](#)

## AROUND THE WORLD



## TWITTER DEMOGRAPHICS



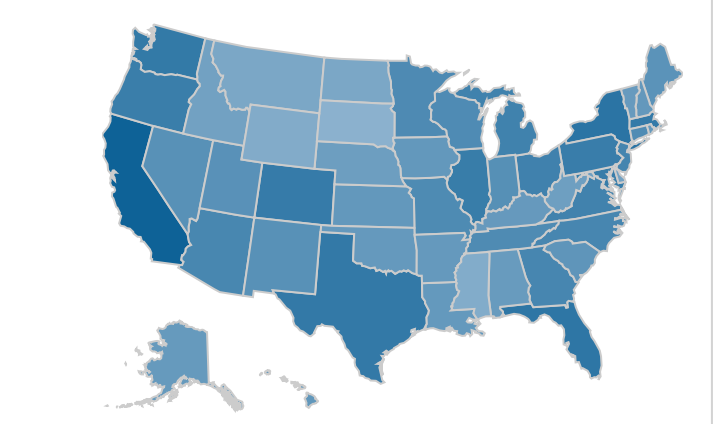
81.32%  
Members of the public

9.72%  
Practitioners (doctors,  
other healthcare  
professionals)

3.65%  
Science  
communicators  
(journalists, bloggers,  
editors)

5.31%  
Scientists

## AROUND THE STATES



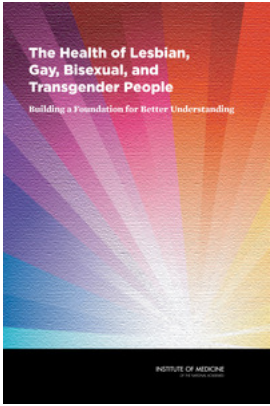
# The Health of Lesbian, Gay, Bisexual, and Transgender People: Building a Foundation for Better Understanding (2011)

## HIGHLIGHTS

Our report has been widely disseminated with a total of **14,586** full text downloads, putting it in the top **1%** of all National Academies Press products. **One** major email campaign sent to over **119,494** emails. We've gained exposure in the media with mentions in the PBS, Huffington Post and 68 tweets from public, science communicators, and scientist.

## WHO'S READING OUR REPORTS

We have achieved a broad international reach to 120 countries and have garnered downloads in all 50 states and the District of Columbia. Carefully analyzing of download domains (.org/.gov/.mil) showed local, state, federal and military agencies accounted for 15% of all downloads. The research and academic community (.edu) accounted for 32% and the public at large accounted for the remaining 52%.



## NOTABLE NEWS

**Huffington Post**

[Why Didn't Gay Rights Cure Gay Loneliness?](#)

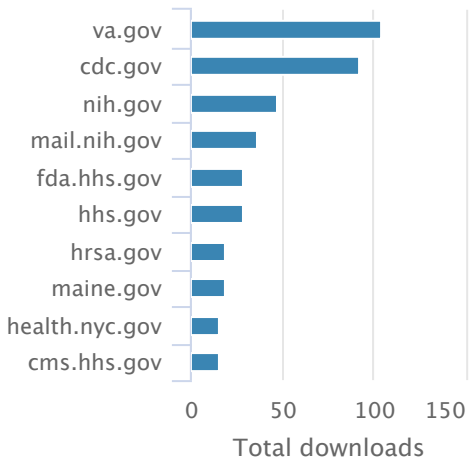
**Huffington Post**

[How Medical Schools Are Failing the LGBTQ Community](#)

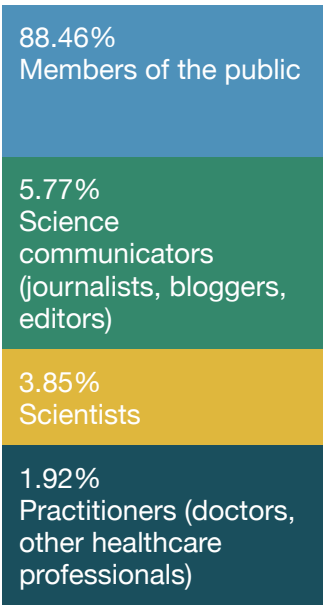
**PBS**

[How to find care for LGBT seniors](#)

## DOWNLOADS BY AGENCY (.GOV)



## TWITTER DEMOGRAPHICS



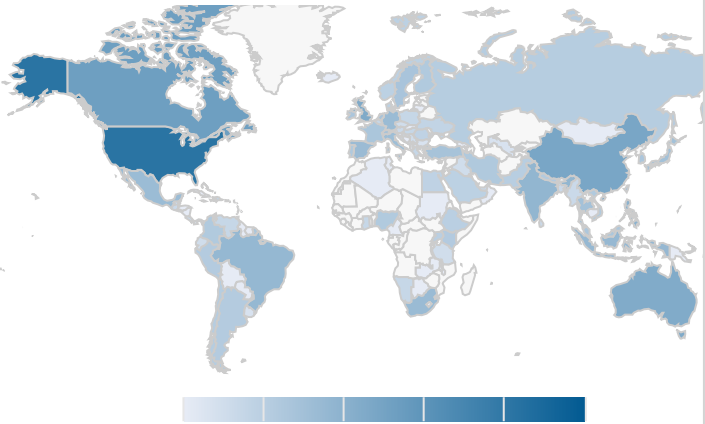
## ONLINE ATTENTION

[VIEW IN ALTMETRIC](#)



- 23 News outlets
- 17 Blogs
- 68 Tweeters
- 4 Facebook posts
- 4 Google+ users
- 1 Video
- 3 Policies
- 120 Total mentions

## AROUND THE WORLD



## AROUND THE STATES

