



Embracing Change in Medical Publishing: An Insider's Look at JAMA

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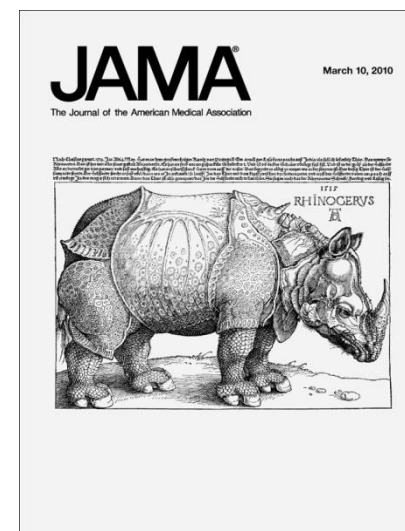
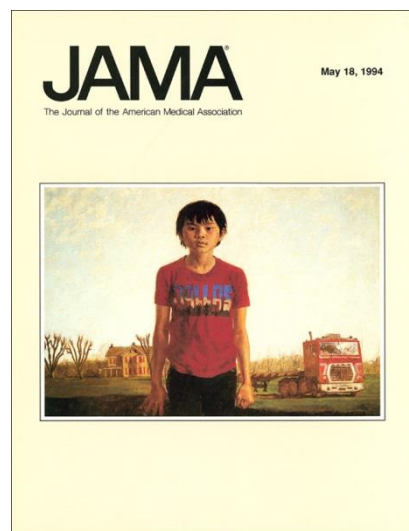
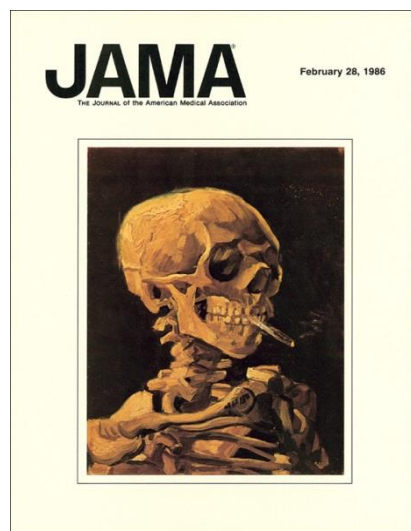
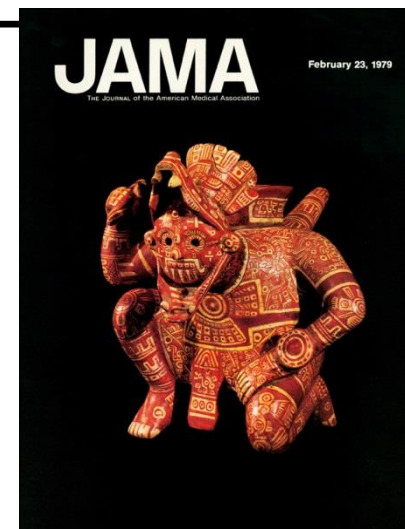
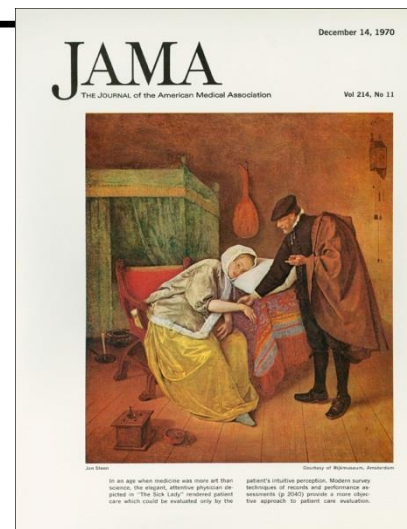
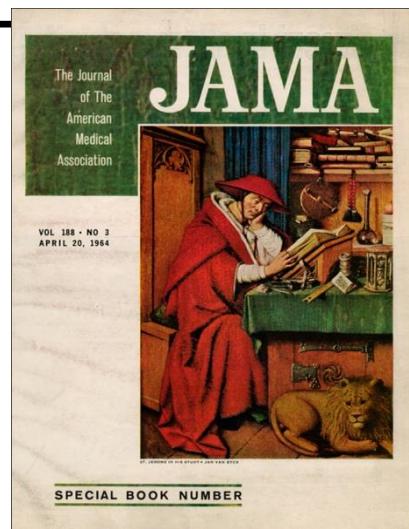
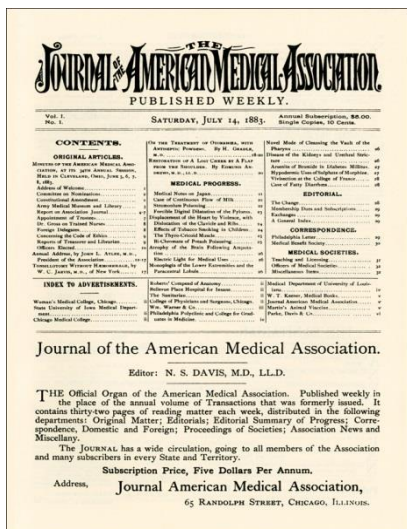
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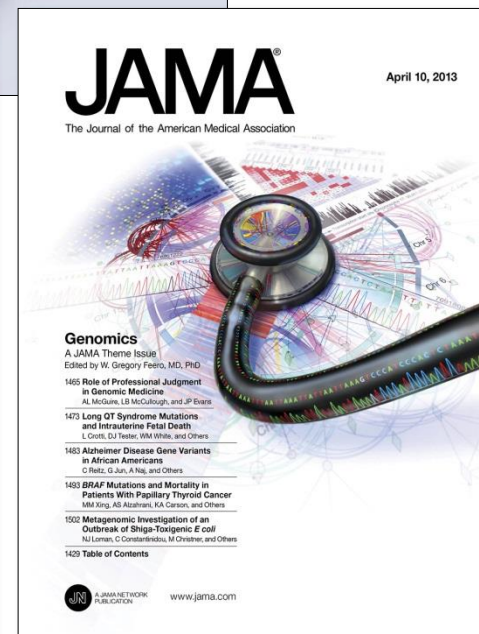
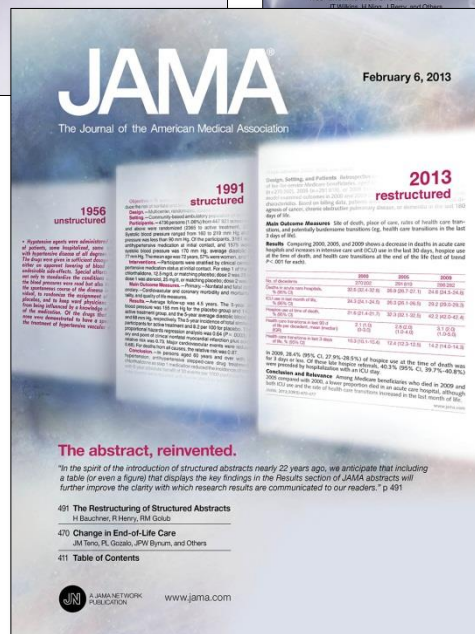
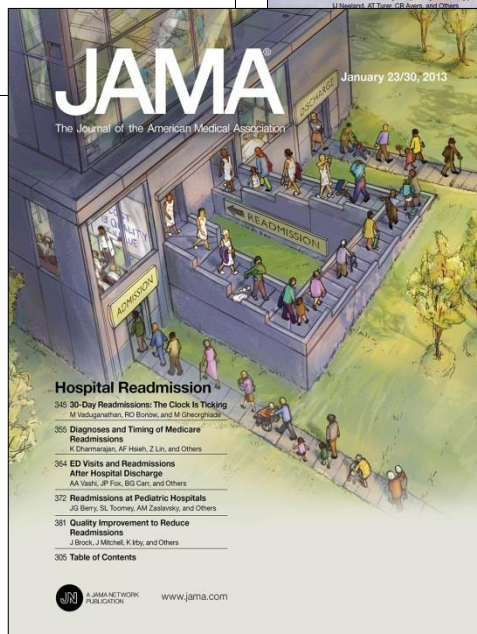
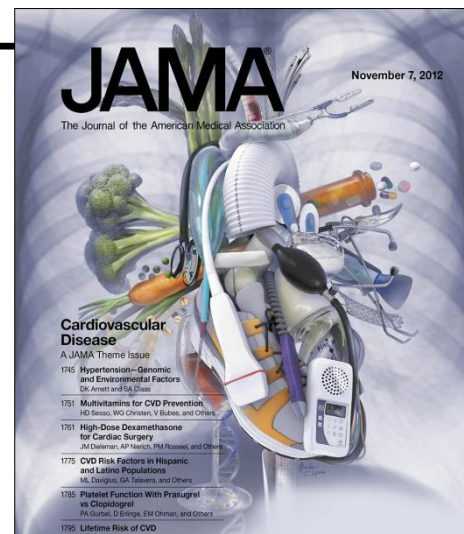
- First published in 1883
- General medical journal
- Appears 48 times per year
- Occasional theme issues and “clusters”
- Flagship publication of AMA
- Editorial independence

Story of Change



- February 2012 – creation of The JAMA Network
- May 2012 – new website launched (semantic tagging)
- July 2012 – announcement of name change for Archives journals
- December 2012 – single channel for submissions
- January 2013 – Archives journals renamed
- March 2013 – JN Reader (HTML5 app) debuts
- July 2013 – redesign of all 10 journals debuts
- December 2013 – offer state-wide CME for all physicians
- January 2014 – electronic/digital conversion complete
- February 2015 – launch of JAMA Oncology
- January 2016 – debut of US Preventive Services Task Force (USPSTF)
- February 2016 – launch of JAMA Cardiology
- Fall 2016 – redesign of author submission process & author love notes
- October 2016 – launch of “new” (newer) website





JAMA[®]

Journal of the
American Medical Association

Research

Original Investigation

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A JAMA NETWORK
PUBLICATION

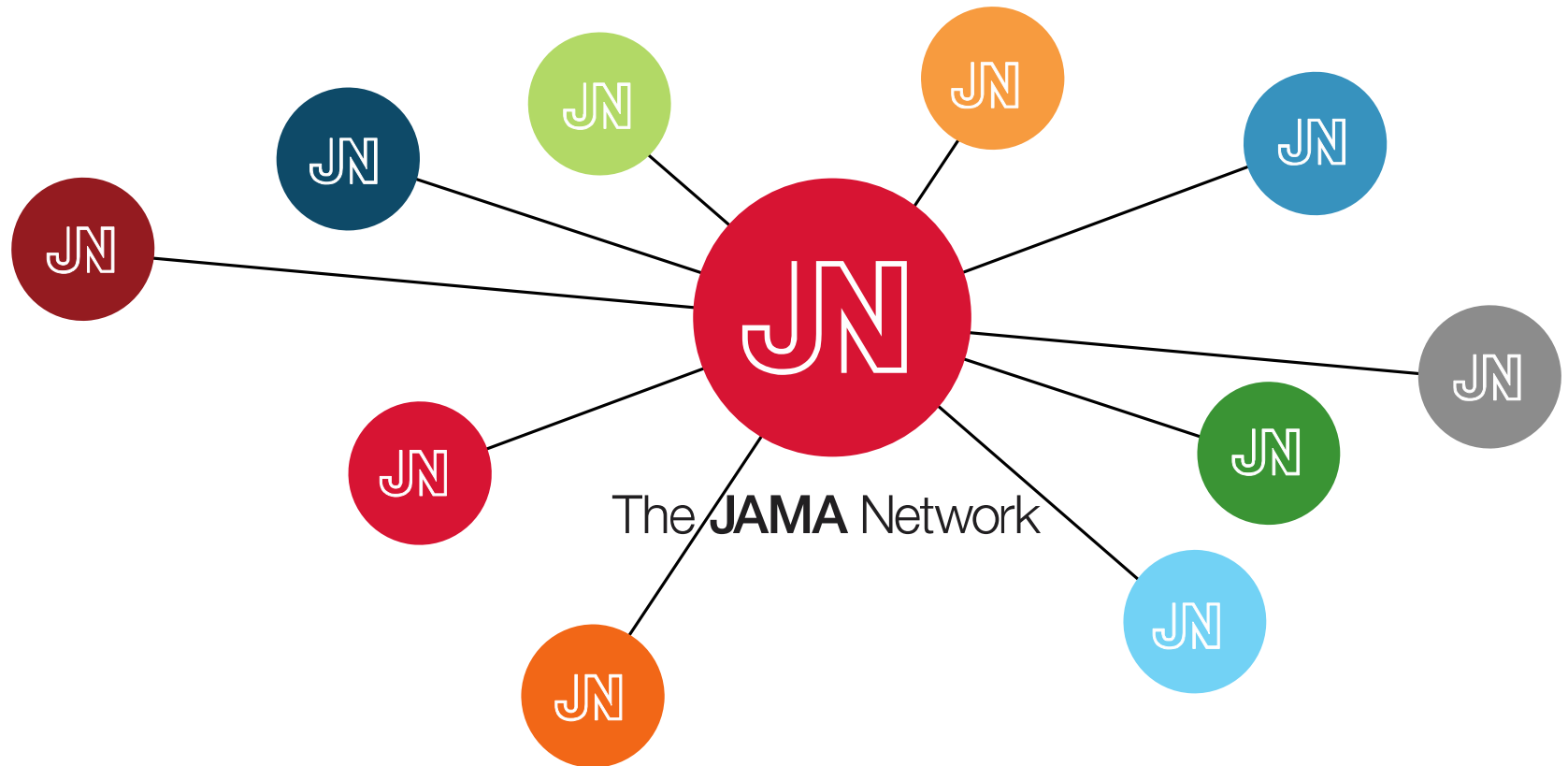


The JAMA Network

- JAMA
- Archives of Dermatology
- Archives of Facial Plastic Surgery
- Archives of General Psychiatry
- Archives of Internal Medicine
- Archives of Neurology
- Archives of Ophthalmology
- Archives of Otolaryngology—Head & Neck Surgery
- Archives of Pediatrics & Adolescent Medicine
- Archives of Surgery



- JAMA
- JAMA Dermatology
- JAMA Facial Plastic Surgery
- JAMA Psychiatry
- JAMA Internal Medicine
- JAMA Neurology
- JAMA Ophthalmology
- JAMA Otolaryngology—Head & Neck Surgery
- JAMA Pediatrics
- JAMA of Surgery
- **JAMA Oncology (2015)**
- **JAMA Cardiology (2016)**



JAMA Cardiology: Robert O. Bonow, MD, MS



JAMA Cardiology Inaugural Year in Review

Robert O. Bonow, MD, MS

April 2017 is an auspicious time to look back at the successful launch of *JAMA Cardiology* and our first year of publishing. We have been disseminating weekly online content



Related article

since March 2016, and our first monthly print issue was published in April 2016.

The editorial board and I are

grateful for the interest, support, and uptake that the journal has received from the start from the cardiovascular community, and we are honored to serve as a medium for scientific progress and education in our field.

I should acknowledge, first and foremost, the time and effort of the dedicated, talented deputy editors and associate editors who have spent countless hours critiquing manuscripts and working together to select the best articles to generate the content of the journal. Our weekly discussions and debates have been enlightening—at times spirited—and have allowed us to finely tune the style and substance of *JAMA Cardiology*. I continue to learn immensely from each of them. The senior editorial board has provided helpful and critical oversight of operations while also serving as ad hoc reviewers and authors. We also have the privilege as a JAMA Network journal of working with the dedicated JAMA Network staff and benefitting from the multimedia opportunities this provides for disseminating our science, reviews,

Table. *JAMA Cardiology* Statistics for 2016

Manuscript Data	Result
Major manuscripts received	1199
Research manuscripts received	954
Acceptance rate, %	
Overall	21
Research	13
Peer reviewer turnaround, median, d	13
Receipt to first decision without peer review, median, d	8
Acceptance to publication, median, d	71
Receipt to publication, median, d	118
Information Dissemination Data	
Recipients of electronic table of contents per week	21 910
Full-text/PDF downloads per year	1 million
Twitter followers	5416
Facebook followers	32 274
Recipients of electronic table of contents per week	21 910
Top 3 articles with highest Altmetric score (a measure of news and social media coverage)	
Wang et al, ¹ Accuracy of Wrist-Worn Heart Rate Monitors	1133
Rodriguez et al, ² Association Between Intensity of Statin Therapy and Mortality in Patients With Atherosclerotic Cardiovascular Disease	929
Sidney et al, ³ Recent Trends in Cardiovascular Mortality in the United States and Public Health Goals	899

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Sidney et al, ³ Recent Trends in Cardiovascular Mortality in the United States and Public Health Goals	899

Other Changes

- Development of Viewpoints
- Content domains – research, opinion, review, humanities
- Championing A Piece of My Mind
- On-line first initiative
- Relevance added to abstract
- Tabstracts
- New relationships – Kaiser Foundation, CDC, Medical Letter
- New article types – longs (narrative reviews, diagnostic and therapeutic advances and shorts (CES, lab challenge, S&M, guideline synopsis))
- Cover illustrations
- Increase in number of podcasts and research letters
- Electronic initiatives – news@JAMA, JAMA Forum, microsites
- Author outreach

Research

JAMA | Preliminary Communication

Effect of Moderate-Intensity Exercise Training on Peak Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy

A Randomized Clinical Trial

Sara Saberi, MD, MS; Matthew Wheeler, MD, PhD; Jennifer Bragg-Gresham, MS, PhD; Whitney Hornsby, PhD; Prachi P. Agarwal, MD, MS; Anil Attili, MD; Maryann Concannon, MSW; Annika M. Dries, BA; Yael Shmargad, BS; Heidi Salisbury, RN, MSN, CNS; Suwen Kumar, MBBS; Jonathan Herrera, MS; Jonathan Myers, PhD; Adam S. Helms, MD, MS; Euan A. Ashley, FRCP, DPhil; Sharlene M. Day, MD

RESULTS Among 86 851 patients with poor-prognosis cancers, median time from first poor-prognosis diagnosis to death was 13 months (interquartile range [IQR], 3-34), and 51 924 (60%) entered hospice before death. Matching yielded a cohort balanced on age, sex, region, time from poor-prognosis diagnosis to death, and baseline care utilization, with 18 165 patients in the hospice group and 18 165 in the nonhospice group.

	Nonhospice Group (n = 18 165)	Hospice Group (n = 18 165)	Risk Ratio (95% CI)
Hospitalizations, % (95% CI)	65.1 (64.4-65.8)	42.3 (41.5-43.0)	1.5 (1.5-1.6)
Intensive care unit admission, % (95% CI)	35.8 (35.1-36.5)	14.8 (14.3-15.3)	2.4 (2.3-2.5)
Invasive procedures, % (95% CI)	51.0 (50.3-51.7)	26.7 (26.1-27.4)	1.9 (1.9-2.0)
Death in hospital or nursing facility	74.1 (73.5-74.8)	14 (13.5-14.5)	5.3 (5.1-5.5)
Costs in last year of life, \$ (95% CI)	71 517 (70 543-72 490)	62 819 (62 082-63 557)	Difference, 8697 (7560-9835)

After matching, 11% of nonhospice and 1% of hospice beneficiaries who had cancer-directed therapy after exposure were excluded. Median hospice duration was 11 days. Nonhospice beneficiaries had significantly greater health care utilization, largely for acute conditions not directly related to cancer and higher overall costs.

- “Longs” – 48 x 5 ~ 240
 - Original Investigations
 - Special Communications
 - Clinical Reviews (Clinical Review and Education)
- “Shorts” – all authored pieces that are not longs
 - Increased from ~950 3 years ago to ~1450 in 2015
 - Includes JAMA News, Research Letters, Viewpoints, Editorials, A Piece of My Mind, poetry, infographics, Patient Page, JAMA revisited, all “short content” in Clinical Review and Education
 - Clinical “shorts” include: Clinical Evidence Synopsis, Guide to Statistics and Methods, Clinical Guideline Synopsis, Diagnostic Test Interpretation, Clinical Challenge, “From the JAMA Network”

RCTs and Observational Studies



Original Investigation | CARING FOR THE CRITICALLY ILL PATIENT

Effect of Noninvasive Ventilation on Tracheal Reintubation Among Patients With Hypoxemic Respiratory Failure Following Abdominal Surgery A Randomized Clinical Trial

Samir Jaber, MD, PhD; Thomas Lescot, MD, PhD; Emmanuel Futier, MD, PhD; Catherine Paugam-Burtz, MD, PhD; Philippe Seguin, MD; Martine Ferrandiere, MD; Sigismund Lasocki, MD, PhD; Olivier Mimoz, MD, PhD; Baptiste Henggy, MD; Antoine Sannini, MD; Julien Pot Paër-Sélim Abbad, MD; Beatrice Riu, MD; Fouad Belafia, MD; Jean-Michel Constantin, MD, PhD; Elodie Masseret, MD; Marc Beaussie Daniel Verzilli, MD; Audrey De Jong, MD; Gerald Chanques, MD, PhD; Laurent Brochard, MD, PhD; Nicolas Molinari, PhD; for the NIVA

Original Investigation

Efficacy and Tolerability of Evolocumab vs Ezetimibe in Patients With Muscle-Related Statin Intolerance The GAUSS-3 Randomized Clinical Trial

Steven E. Nissen, MD; Erik Strokes, MD, PhD; Ricardo E. Dent-Acosta, MD; Robert S. Rosenson, MD; Sam J. Lehman, MBBS, PhD; Naveed Sattar, MD, PhD; David Preiss, MD; Eric Bruckert, MD; Richard Česka, MD; Norman Lepor, MD; Christie M. Ballantyne, MD; Ioanna Gouni-Berthold, MD; Mary Elliott, MS; Danielle M. Brennan, MS; Scott M. Wasserman, MD; Ransi Somaratne, MD, MBA; Rob Scott, MD; Evan A. Stein, MD, PhD; for the GAUSS-3 Investigators

Original Investigation

Association Between Hypertensive Disorders of Pregnancy and Later Risk of Cardiomyopathy

Ida Behrens, MD; Saima Basit, MSc; Jacob Alexander Lykke, MD, DMSc; Mattis Flyvholm Ranthe, MD, PhD; Jan Wohlfahrt, MSc, DMSc; Henning Bundgaard, MD, DMSc; Mads Melbye, MD, DMSc; Heather A. Boyd, PhD

Original Investigation

Association of Red Blood Cell Transfusion, Anemia, and Necrotizing Enterocolitis in Very Low-Birth-Weight Infants

Ravi M. Patel, MD, MSc; Andrea Knezevic, MS; Neeta Shenvi, MS; Michael Hinkes, MD; Sarah Keene, MD; John D. Roback, MD, PhD; Kirk A. Easley, MAppStat; Cassandra D. Josephson, MD

Original Investigation

Association of Arrhythmia-Related Genetic Variants With Phenotypes Documented in Electronic Medical Records

Sara L. Van Driest, MD, PhD; Quinn S. Wells, MD, PharmD, MSc; Sarah Stallings, PhD; William S. Bush, PhD, MS; Adam Gordon, PhD; Deborah A. Nickerson, PhD; Jerry H. Kim, MD; David R. Crosslin, PhD; Gail P. Jarvik, MD, PhD; David S. Carrell, PhD; James D. Ralston, MD, MPH; Eric B. Larson, MD, MPH; Suzette J. Bielinski, PhD; Janet E. Olson, PhD; Zi Ye, MD, PhD; Ifthikhar J. Kullo, MD; Noura S. Abul-Husn, MD, PhD; Stuart A. Scott, PhD; Erwin Bottinger, MD; Berta Almoguera, PhD; John Connolly, PhD; Rosetta Chiavacci, BSN, CCRC; Hakon Hakonarson, MD, PhD; Laura J. Rasmussen-Torvik, PhD, MPH; Vivian Pan, MS, CGC; Stephen D. Persell, MD, MPH; Maureen Smith, MS, CGC; Rex L. Chisholm, PhD; Terrie E. Kitner, CCRP; Max M. He, PhD; Murray H. Brilliant, PhD; John R. Wallace, MS; Kimberly F. Doherty, PhD; M. Benjamin Shoemaker, MD, MCSI; Rongling Li, MD, PhD, MPH; Teri A. Manolio, MD, PhD; Thomas E. Callis, PhD; Daniela Macaya, MQC; Marc S. Williams, MD; David Carey, PhD; Jamie D. Kapplinger, BA; Michael J. Ackerman, MD, PhD; Marylyn D. Ritchie, PhD; Joshua C. Denny, MD, MS; Dan M. Roden, MD

Preliminary Communication

Maintenance Therapy With Tumor-Treating Fields Plus Temozolomide vs Temozolomide Alone for Glioblastoma A Randomized Clinical Trial

Roger Stupp, MD; Sophie Taillibert, MD; Andrew A. Kanner, MD; Santosh Kesari, MD, PhD; David M. Steinberg, PhD; Steven A. Toms, MD, FACS, MPH; Lynne P. Taylor, MD, FAAN; Frank Lieberman, MD; Antonio Silvani, MD; Karen L. Fink, MD, PhD; Gene H. Barnett, MD, MBA; Jay-Jiguang Zhu, MD, PhD; John W. Henson, MD, MBA, FAAN; Herbert H. Engelhard, MD, PhD; Thomas C. Chen, MD, PhD; David D. Tran, MD, PhD; Jan Sroubek, MD; Nam D. Tran, MD, PhD; Andreas F. Hottinger, MD, PhD; Joseph Landolfi, DO; Rajiv Desai, MD; Manuela Caroli, MD; Yvonne Kew, MD, PhD; Jerome Honnorat, MD, PhD; Ahmed Idubai, MD, PhD; Eilon D. Kirson, MD, PhD; Uri Weinberg, MD, PhD; Yoram Palti, MD, PhD; Monika E. Hegi, PhD; Zvi Ram, MD

Epidemiology...Big and Little



Original Investigation

Relationship Between Cesarean Delivery Rate and Maternal and Neonatal Mortality

George Molina, MD, MPH; Thomas G. Weiser, MD, MPH; Stuart R. Lipsitz, ScD; Micaela M. Esquivel, MD; Tarsicio Uribe-Leitz, MD, MPH; Tej Azad, BA; Neel Shah, MD, MPP; Katherine Semrau, PhD, MPH; William R. Berry, MD, MPA, MPH; Atul A. Gawande, MD, MPH; Alex B. Haynes, MD, MPH

Original Investigation | CARING FOR THE CRITICALLY ILL PATIENT

Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries

Giacomo Bellani, MD, PhD; John G. Laffey, MD, MA; Tai Pham, MD; Eddy Fan, MD, PhD; Laurent Brochard, MD, HDR; Andres Esteban, MD, PhD; Luciano Gattinoni, MD, FRCP; Frank van Haren, MD, PhD; Anders Larsson, MD, PhD; Daniel F. McAuley, MD, PhD; Marco Ranieri, MD; Gordon Rubinfeld, MD, MSc; B. Taylor Thompson, MD, PhD; Hermann Wrigge, MD, PhD; Arthur S. Slutsky, MD, MASC; Antonio Pesenti, MD; for the LUNG SAFE Investigators and the ESICM Trials Group

Original Investigation

Temporal Trends in Mortality in the United States, 1969-2013

Jiemin Ma, PhD, MHS; Elizabeth M. Ward, PhD; Rebecca L. Siegel, MPH; Ahmedin Jemal, DVM, PhD

Original Investigation

Prevalence of Body Mass Index Lower Than 16 Among Women in Low- and Middle-Income Countries

Fahad Razak, MD, MSc; Daniel J. Corsi, PhD; Arthur S. Slutsky, MD, MASC; Anura Kurpad, MD, PhD; Lisa Berkman, PhD; Andreas Laupacis, MD, MSc; S. V. Subramanian, PhD

Original Investigation

Prevalence of and Trends in Diabetes Among Adults in the United States, 1988-2012

Andy Menke, PhD; Sarah Casagrande, PhD; Linda Geiss, MA; Catherine C. Cowie, PhD

Original Investigation

Prevalence and Correlates of Myocardial Scar in a US Cohort

Evrin B. Turkbey, MD; Marcelo S. Nacif, MD, PhD; Mengye Guo, PhD; Robyn L. McClelland; Patricia B. R. P. Teixeira, MD; Diane E. Bild, MD, MPH; R. Graham Barr, MD, DrPH; Steven Shea, MD, MS; Wendy Post, MD, MS; Gregory Burke, MD, MS; Matthew J. Budoff, MD; Aaron R. Folsom, MD; Chia-Ying Liu, PhD; João A. Lima, MD; David A. Bluemke, MD, PhD

Original Investigation

In-Hospital Outcomes and Costs Among Patients Hospitalized During a Return Visit to the Emergency Department

Amber K. Sabbatini, MD, MPH; Keith E. Kocher, MD, MPH; Anirban Basu, PhD, MS; Renee Y. Hsia, MD, MSc

Original Investigation

Association of Admission to Veterans Affairs Hospitals vs Non-Veterans Affairs Hospitals With Mortality and Readmission Rates Among Older Men Hospitalized With Acute Myocardial Infarction, Heart Failure, or Pneumonia

Sudhakar V. Nuti, BA; Li Qin, PhD; John S. Rumsfeld, MD; Joseph S. Ross, MD, MHS; Frederick A. Masoudi, MD, MSPH; Sharon-Lise T. Normand, PhD; Karthik Murugiah, MD; Susannah M. Bernheim, MD, MHS; Lisa G. Suter, MD; Harlan M. Krumholz, MD, SM

Original Investigation

Appropriate Use Criteria for Coronary Revascularization and Trends in Utilization, Patient Selection, and Appropriateness of Percutaneous Coronary Intervention

Nihar R. Desai, MD, MPH; Steven M. Bradley, MD, MPH; Craig S. Parzynski, MS; Brahmajee K. Nallamothu, MD, MPH; Paul S. Chan, MD, MSc; John A. Spertus, MD, MPH; Manesh R. Patel, MD; Jeremy Ader, AB; Aaron Soufer, MD; Harlan M. Krumholz, MD, SM; Jephtha P. Curtis, MD

Original Investigation

Variation in Dialysis Facility Referral for Kidney Transplantation Among Patients With End-Stage Renal Disease in Georgia

Rachel E. Patzer, PhD, MPH; Laura C. Plantinga, PhD, ScM; Sudeshna Paul, PhD; Jennifer Gander, PhD, MPH; Jenna Krisher, BA; Leighann Sauls, RN, CDN; Eric M. Gibney, MD; Laura Mulloy, DO; Stephen O. Pastan, MD

Special Communications



Special Communication | CARING FOR THE CRITICALLY ILL PATIENT

The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3)

Mervyn Singer, MD, FRCP; Clifford S. Deutschman, MD, MS; Christopher Warren Seymour, MD, MSc; Manu Shankar-Hari, MSc, MD, FFICM; Djillali Annane, MD, PhD; Michael Bauer, MD; Rinaldo Bellomo, MD; Gordon R. Bernard, MD; Jean-Daniel Chiche, MD, PhD; Craig M. Coopersmith, MD; Richard S. Hotchkiss, MD; Mitchell M. Levy, MD; John C. Marshall, MD; Greg S. Martin, MD, MSc; Steven M. Opal, MD; Gordon D. Rubenfeld, MD, MS; Tom van der Poll, MD, PhD; Jean-Louis Vincent, MD, PhD; Derek C. Angus, MD, MPH

Special Communication

The Association Between Income and Life Expectancy in the United States, 2001-2014

Raj Chetty, PhD; Michael Stepner, BA; Sarah Abraham, BA; Shelby Lin, MPhil; Benjamin Souder, BA; Nicholas Turner, PhD; Augustin Bergeron, MA; David Cutler, PhD

Special Communication

Breast Cancer Screening for Women at Average Risk 2015 Guideline Update From the American Cancer Society

Kevin C. Oeffinger, MD; Elizabeth T. H. Fontham, MPH, DrPH; Ruth Etzioni, PhD; Abbe Herzig, PhD; James S. Michaelson, PhD; Ya-Chen Tina Shih, PhD; Louise C. Walter, MD; Timothy R. Church, PhD; Christopher R. Flowers, MD, MS; Samuel J. LaMonte, MD; Andrew M. D. Wolf, MD; Carol DeSantis, MPH; Joannie Lortet-Tieulent, MSc; Kimberly Andrews; Deana Manassaram-Baptiste, PhD; Debbie Saslow, PhD; Robert A. Smith, PhD; Otis W. Brawley, MD; Richard Wender, MD

Special Communication

Violence in the United States Status, Challenges, and Opportunities

Steven A. Sumner, MD, MSc; James A. Mercy, PhD; Linda L. Dahlberg, PhD; Susan D. Hillis, PhD; Joanne Klevens, MD, PhD; Debra Houry, MD, MPH

Special Communication

Medicare and Medicaid at 50 Years Perspectives of Beneficiaries, Health Care Professionals and Institutions, and Policy Makers

Drew Altman, PhD; William H. Frist, MD

US Preventive Services Task Force



Special Communication | USPSTF RECOMMENDATION STATEMENT

Screening for Impaired Visual Acuity in Older Adults US Preventive Services Task Force Recommendation Statement

US Preventive Services Task Force (USPSTF)

DESCRIPTION Update of the US Preventive Services Task Force (USPSTF) recommendation on screening for impaired visual acuity in older adults.

METHODS The USPSTF reviewed the evidence on screening for visual acuity impairment associated with uncorrected refractive error, cataracts, and age-related macular degeneration among adults 65 years or older in the primary care setting; the benefits and harms of screening; the accuracy of screening; and the benefits and harms of treatment of early vision impairment due to uncorrected refractive error, cataracts, and age-related macular degeneration.

POPULATION This recommendation applies to asymptomatic adults 65 years or older who do not present to their primary care clinician with vision problems.

RECOMMENDATION The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of screening for impaired visual acuity in older adults. (I statement)

JAMA. 2016;315(9):908-914. doi:10.1001/jama.2016.0763

← Editorial page 875

✚ Author Audio Interview at jama.com

← Related article page 915

✚ CME Quiz at jamanetworkcme.com

✚ Related articles at jamainternalmedicine.com and jamaophthalmology.com

Why It's Important to Continue Universal Autism Screening While Research Fully Examines Its Impact

Geraldine Dawson, PhD

Screening for Chronic Obstructive Pulmonary Disease D Is the New F

David H. Au, MD, MS

Authors/Group Information: The USPSTF members are listed at the end of this article.

Corresponding Author: Albert L. Siu, MD, MSPH (chair@uspstf.net).

Special Communication | USPSTF RECOMMENDATION STATEMENT

Screening for Autism Spectrum Disorder in Young Children US Preventive Services Task Force Recommendation Statement

Albert L. Siu, MD, MSPH; and the US Preventive Services Task Force (USPSTF)

Review | EVIDENCE REPORT FOR THE USPSTF

Screening for Impaired Visual Acuity in Older Adults Updated Evidence Report and Systematic Review for the US Preventive Services Task Force

Roger Chou, MD; Tracy Dana, MLS; Christina Bougatsos, MPH; Sara Gruning, BS; Ian Blazina, MPH

Review

Antibiotic Therapy for Adults Hospitalized With Community-Acquired Pneumonia A Systematic Review

Jonathan S. Lee, MD; Daniel L. Giesler, MD, PharmD; Walid F. Gellad, MD, MPH; Michael J. Fine, MD, MSc

Review

Management of Graves Disease A Review

Henry B. Burch, MD; David S. Cooper, MD

Review

Diabetes Advances in Diagnosis and Treatment

David M. Nathan, MD

Users' Guides to the Medical Literature

How to Read a Systematic Review and Meta-analysis and Apply the Results to Patient Care Users' Guides to the Medical Literature

Mohammad Hassan Murad, MD, MPH; Victor M. Montori, MD, MSc; John P. A. Ioannidis, MD, DSc; Roman Jaeschke, MD, MSc; P. J. Devereaux, MD, PhD; Kameshwar Prasad, MD, DM, FRCPE; Ignacio Neumann, MD, MSc; Alonso Carrasco-Labra, DDS, MSc; Thomas Agoritsas, MD; Rose Hatala, MD, MSc; Maureen O. Meade, MD; Peter Wyer, MD; Deborah J. Cook, MD, MSc; Gordon Guyatt, MD, MSc

Review

Evaluation and Treatment of Pericarditis A Systematic Review

Massimo Imazio, MD; Fiorenzo Gaita, MD; Martin LeWinter, MD

Review

Constipation Advances in Diagnosis and Treatment

Arnold Wald, MD

Reach of JAMA



- **Readers**

- 310,000 subscribers
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Altmetric TOP 100 ARTICLES 2015

TOP 100 LIST

#2 HIGHEST-SCORING ARTICLE

Autism Occurrence by MMR Vaccine Status Among US Children With Older Siblings With and Without Autism

Published in **JAMA** — April 2015



2728

- 57 news stories
- 30 blog posts
- 2,596 tweets
- 275 Facebook posts
- 39 Google Plus posts
- 11 Reddit posts

WHAT'S THE STORY? This study was covered by several news outlets and science blogs, most of which featured headlines such as "No link between MMR and autism, major study concludes." The Guardian wrote that this research involving a cohort of 95,000 children "is [the] latest research to contradict findings of discredited gastroenterologist Andrew Wakefield."

[Read more on the Altmetric blog »](#)

AUTHORS Anjali Jain, Jaclyn Marshall, Ami Bulkema, Tim Bancroft, Jonathan P. Kelly... [more]

INSTITUTIONS Drexel University, Optum (United States), The Lewin Group

COUNTRIES United States

SUBJECT AREA Medical & Health Sciences

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- #2** 2728 Autism Occurrence by MMR Vaccine Status Among US Children With Older Siblings With and Without Autism
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February 23, 2016, Vol 315, No. 8 >

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Special Communication | February 23, 2016

CARING FOR THE CRITICALLY ILL PATIENT

The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3) FREE

Mervyn Singer, MD, FRCP¹; Clifford S. Deutschman, MD, MS²; Christopher Warren Seymour, MD, MSc³; Manu Shankar-Hari, MSc, MD, FFICM⁴; Djillali Annane, MD, PhD⁵; Michael Bauer, MD⁶; Rinaldo Bellomo, MD⁷; Gordon R. Bernard, MD⁸; Jean-Daniel Chiche, MD, PhD⁹; Craig M. Coopersmith, MD¹⁰; Richard S. Hotchkiss, MD¹¹; Mitchell M. Levy, MD¹²; John C. Marshall, MD¹³; Greg S. Martin, MD, MSc¹⁴; Steven M. Opal, MD¹²; Gordon D. Rubenfeld, MD, MS^{15,16}; Tom van der Poll, MD, PhD¹⁷; Jean-Louis Vincent, MD, PhD¹⁸; Derek C. Angus, MD, MPH^{19,20}

[\[+\] Author Affiliations](#)

JAMA. 2016;315(8):801-810. doi:10.1001/jama.2016.0287.

Text Size: **A** **A** **A**

[Article](#) [Figures](#) [Tables](#) [References](#) [Responses \(2\)](#) [CME](#)

ABSTRACT

ABSTRACT | INTRODUCTION | THE PROCESS OF DEVELOPING NEW DEFINITIONS | ISSUES ADDRESSED BY THE TASK FORCE | IDENTIFIED CHALLENGES AND OPPORTUNITIES | A NEED FOR SEPSIS DEFINITIONS FOR THE PUBLIC AND FOR HEALTH CARE PRACTITIONERS | RESULTS/RECOMMENDATIONS | RECOMMENDATIONS FOR ICD CODING AND FOR LAY DEFINITIONS | CONTROVERSIES AND LIMITATIONS | IMPLICATIONS | CONCLUSIONS | ARTICLE INFORMATION | REFERENCES



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Editorial

New Definitions for Sepsis and Septic Shock:

Continuing Evolution but With Much Still to Be Done

April 26, 2016, Vol 315, No. 16 >

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Special Communication | April 26, 2016

The Association Between Income and Life Expectancy in the United States, 2001-2014

Raj Chetty, PhD¹; Michael Stepner, BA²; Sarah Abraham, BA²; Shelby Lin, MPhil³; Benjamin Scuderi, BA⁴; Nicholas Turner, PhD⁵; Augustin Bergeron, MA⁴; David Cutler, PhD⁴

[+] Author Affiliations

JAMA. 2016;315(16):1750-1766. doi:10.1001/jama.2016.4226.

Text Size: A A A

Article Figures Tables Supplemental Content References Responses (1) CME

ABSTRACT

ABSTRACT | INTRODUCTION | METHODS | RESULTS | DISCUSSION | CONCLUSIONS |
ARTICLE INFORMATION | REFERENCES

Importance The relationship between income and life expectancy is well established but remains poorly understood.

Objectives To measure the level, time trend, and geographic variability in the association between income and life expectancy and to identify factors related to small area variation.

Design and Setting Income data for the US population were obtained from 1.4 billion deidentified tax records between 1999 and 2014. Mortality data were obtained from Social Security Administration death records. These data were used to estimate race- and ethnicity-adjusted life expectancy at 40 years of age by household income percentile, sex, and geographic area, and to evaluate factors associated with differences.

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2015 Media “Hits”* for JAMA/TJN



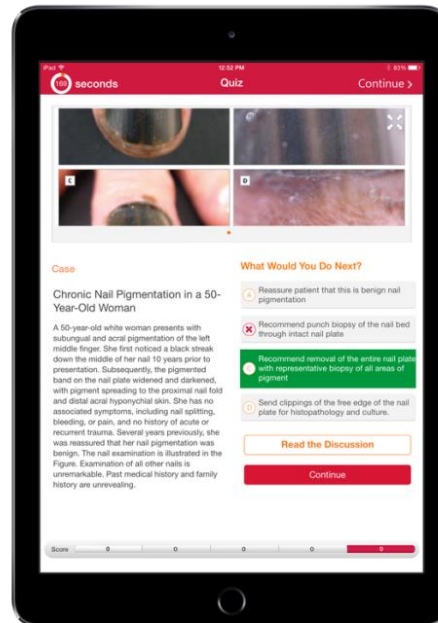
	2015	2014
JAMA**	66,935	51,701
JAMA Internal Medicine	32,951	27,453
JAMA Pediatrics	17,708	14,943
JAMA Psychiatry	14,650	11,191
JAMA Oncology	9,566	
JAMA Dermatology	5,663	5,473
JAMA Neurology	5,145	4,962
JAMA Surgery	5,099	3,912
JAMA Ophthalmology	2,524	2,263
JAMA Otolaryngology	1,573	2,135
JAMA Facial Plastic Surgery	1,370	752

**Cision: mention of the journal names in print, online and broadcast

JAMA: NYT – 79; WSJ – 43; USA Today – 22

JAMA Internal Medicine: NYT – 26; WSJ – 14; USA Today - 8

Growing an “ecosystem” of products... not simply a list of journals



For The Media

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No Association Found Between MMR Vaccine and Autism, Even Among Children at Higher Risk

EMBARGOED FOR RELEASE: 11 A.M. (ET) TUESDAY, APRIL 21, 2015

Media Advisory: To contact Anjali Jain, M.D., call Christine Farazi at 952-500-0592 or email christine.farazi@optum.com, or call Stephen Puleo at 617-774-9322 or email steve.puleo@optum.com. To contact editorial author Bryan H. King, M.D., M.B.A., call Lella Gray at 206-685-0381 or email lelag@uw.edu.

To place an electronic embedded link to this study and editorial in your story: This link to the study will be live at the embargo time: <http://jama.jamanetwork.com/article.aspx?doi=10.1001/jama.2015.3077> This will be the link to the editorial: <http://jama.jamanetwork.com/article.aspx?doi=10.1001/jama.2015.2628>

No Association Found Between MMR Vaccine and Autism, Even Among Children at Higher Risk

In a study that included approximately 95,000 children with older siblings, receipt of the measles-mumps-rubella (MMR) vaccine was not associated with an increased risk of autism spectrum disorders (ASD), regardless of whether older siblings had ASD, findings that indicate no harmful association between receipt of MMR vaccine and ASD even among children already at higher risk for ASD, according to a study in the April 21 issue of JAMA, a theme issue on child health.



No Association Found Between Measles, Mumps, Rubella Vaccine and Autism, even among Children at Higher Risk

Video Script

Audio

Author interview
3:30

Download this MP3

JAMA
Original Investigation
Autism Occurrence by MMR Vaccine Status Among US Children With Older Siblings With and Without Autism

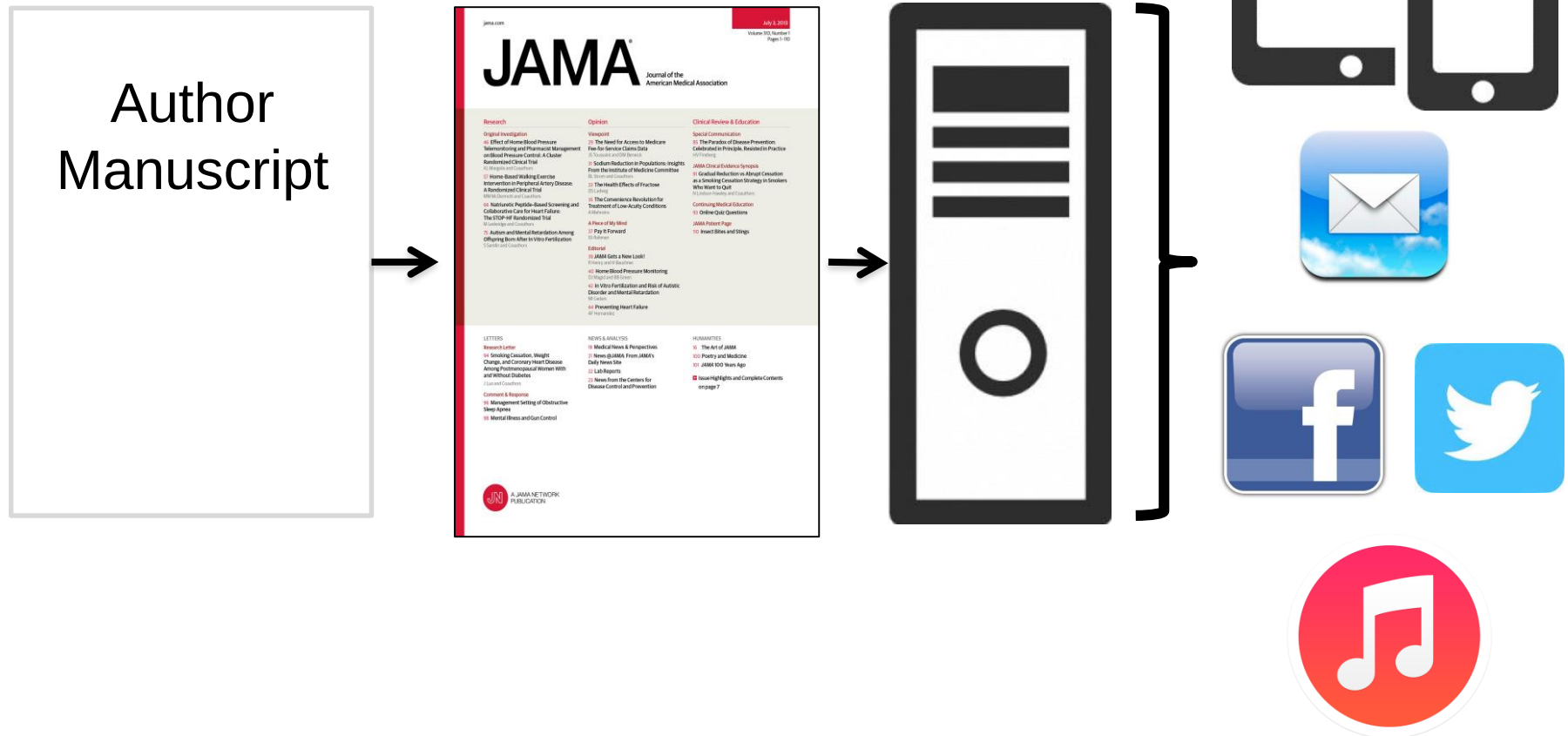


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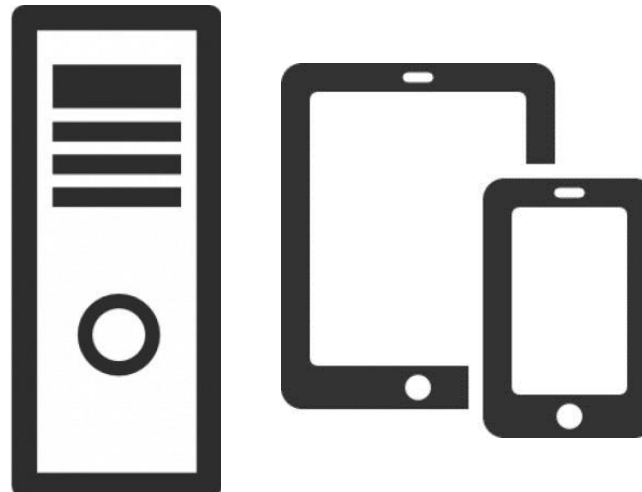
Our publishing model is in transition, from print first ...



To digital first

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Manuscript

Summaries
Images
Multimedia
Posts/Tweets
Interactives
More...



What type of article should I write?

- Different formats fit different research questions (and different investigators)
- Type of articles
 - “Major” Articles/”Original” Articles (Clinical Trials, Cohort Studies, Epidemiology, etc.)
 - Review Articles (Narrative vs. Systematic)
 - Meta Analysis
 - Opinion Pieces, Editorials/Commentaries
 - Case Reports/Case Series
 - Letter to the Editor/Research Letter

Where Should I Send My Work?

- Publishing priorities vary at different journals
- Selecting the right journal is very important
- Be familiar with scope/types of articles published
- Review the journals you are considering (look at TOC)
- Is it worth shooting high, but failing? May depend in part on whether results are time sensitive?
- Most journals can reject without review—generally a subjective decision

Jane

Journal/Author Name Estimator

Insert your title and/or abstract here: (or, click [here](#) to search using keywords)

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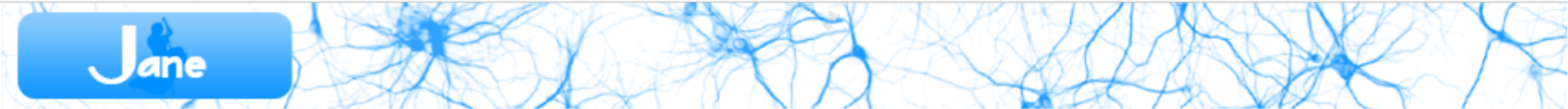
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"Cognitive decline"

Confidence	Journal	Article Influence	Articles
	Neurology PubMed Central: immediately	2.3091	Show articles
	Journal of Alzheimer's disease : JAD	1.29948	Show articles
	Neurobiology of aging	1.99566	Show articles
	Alzheimer disease and associated disorders	1.04951	Show articles
	Nutrition journal Open access PubMed Central: after 0 months		Show articles
	Wiener medizinische Wochenschrift (1946)		Show articles
	Epigenomics		Show articles
	Stroke; a journal of cerebral circulation	2.11471	Show articles
	Mayo Clinic proceedings	1.51731	Show articles
	Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology	0.34089	Show articles
	Journal of neurology	0.96435	Show articles
	International journal of environmental research and public health Open access PubMed Central: after 0 months		Show articles
	The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry	1.19423	Show articles
	Movement disorders : official journal of the Movement Disorder Society	1.15568	Show articles
	European journal of neurology	0.85859	Show articles
	Schizophrenia research	1.37891	Show articles
	Epidemiology (Cambridge, Mass.)	2.53508	Show articles
	Parkinsonism & related disorders	0.85106	Show articles
	Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference		Show articles
	Nutricio ´n hospitalaria	0.15063	Show articles
	Canadian journal on aging = La revue canadienne du vieillissement	0.25645	Show articles

These journals have articles most similar to your input:
"Cognitive decline"

Confidence	Journal	Article Influence ?	Articles
	Neurology PubMed Central: immediately	2.3091	Hide articles

The confidence score for **Neurology** is based on these articles:

Similarity	Citation
☐	Liem MK, Lesnik Oberstein SA, Haan J, van der Neut IL, Ferrari MD, van Buchem MA, Middelkoop HA, van der Grond J MRI correlates of cognitive decline in CADASIL: a 7-year follow-up study. Neurology. 2009
☐	Sumowski JF, Rocca MA, Leavitt VM, Dackovic J, Mesaros S, Drulovic J, DeLuca J, Filippi M Brain reserve and cognitive reserve protect against cognitive decline over 4.5 years in MS. Neurology. 2014
☐	Buchman AS, Yu L, Boyle PA, Schneider JA, De Jager PL, Bennett DA Higher brain BDNF gene expression is associated with slower cognitive decline in older adults. Neurology. 2016
Explore more in PubMed	

	Journal of Alzheimer's disease : JAD	1.29948	Show articles
	Neurobiology of aging	1.99566	Show articles
	Alzheimer disease and associated disorders	1.04951	Show articles
	Nutrition journal Open access PubMed Central: after 0 months		Show articles
	Wiener medizinische Wochenschrift (1946)		Show articles
	Epigenomics		Show articles
	Stroke; a journal of cerebral circulation	2.11471	Show articles
	Mayo Clinic proceedings	1.51731	Show articles
	Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical	0.34080	Show articles

Reaching Out to Editors, Cover Letters

- Editors are your friends—how to reach out effectively.
- Address it to the correct individual
- Indicate importance of the paper
- Suggest why this journal is a “good” fit
- If applicable, site some similar articles from that journal
- Reasonable to include suggested reviewers

Follow Instructions for Authors

- Article type – original, review, etc.
- Cover page – title, word count
- Length –different journals more or less strict
- Abstract – single most important page, pay close attention to format
- Data Displays: Tables and Figures
- References (landmark and recent)
- Supplemental materials

Major Themes

- What are your 2-3 most important points
- Emphasize these in Results section of Abstract
- Abstract Conclusion should also reflect
- Highlight these points in Results section of paper
- Emphasize in Tables/Figures
- Highlight again in Conclusion (similar to Abstract)

Abstract and Introduction

- 90% of readers only look at the abstract
 - Structured, Concise
 - Keep uncommon abbreviations to a minimum
 - Include as much data as possible (accuracy of data)
 - Conclusions (Main points here)
 - Have an outside reader look this over
-
- Introduction should also be brief/focused (10-15 refs)
 - 2-3 paragraphs is enough

Rejection without Review – Why?

- Wrong journal – journals have specific missions
- Incorrect format. You did not read the journal
- Data too old to be relevant (5 year rule at JAMA)
- Limited novelty
- Poorly written abstract
- Poorly designed/wrong analysis (validity)
- Sweeping conclusions (not supported by data)
- Case-report
- Editor having a bad day (this happens)

Paper Sent for External Review

- Assigned to editor (usually not EIC)
- Most editors have areas of expertise
- Editors may send article out for review (rejection without review can also occur here)
- No magic number of reviewers – usually 2-5
- At JAMA every research paper undergoes statistical review prior to manuscript meeting

Peer-Reviewers

- You can recommend reviewers and also individuals who should not review (depends on journal)
- Chosen from database of reviewers that journal uses
- Some subject areas difficult to find reviewers – editors might search reference list or Medline
- Not much difference between blinded and unblinded reviews. Transparency being debated
- Increasing concern about biases/conflicts of interest of reviewers

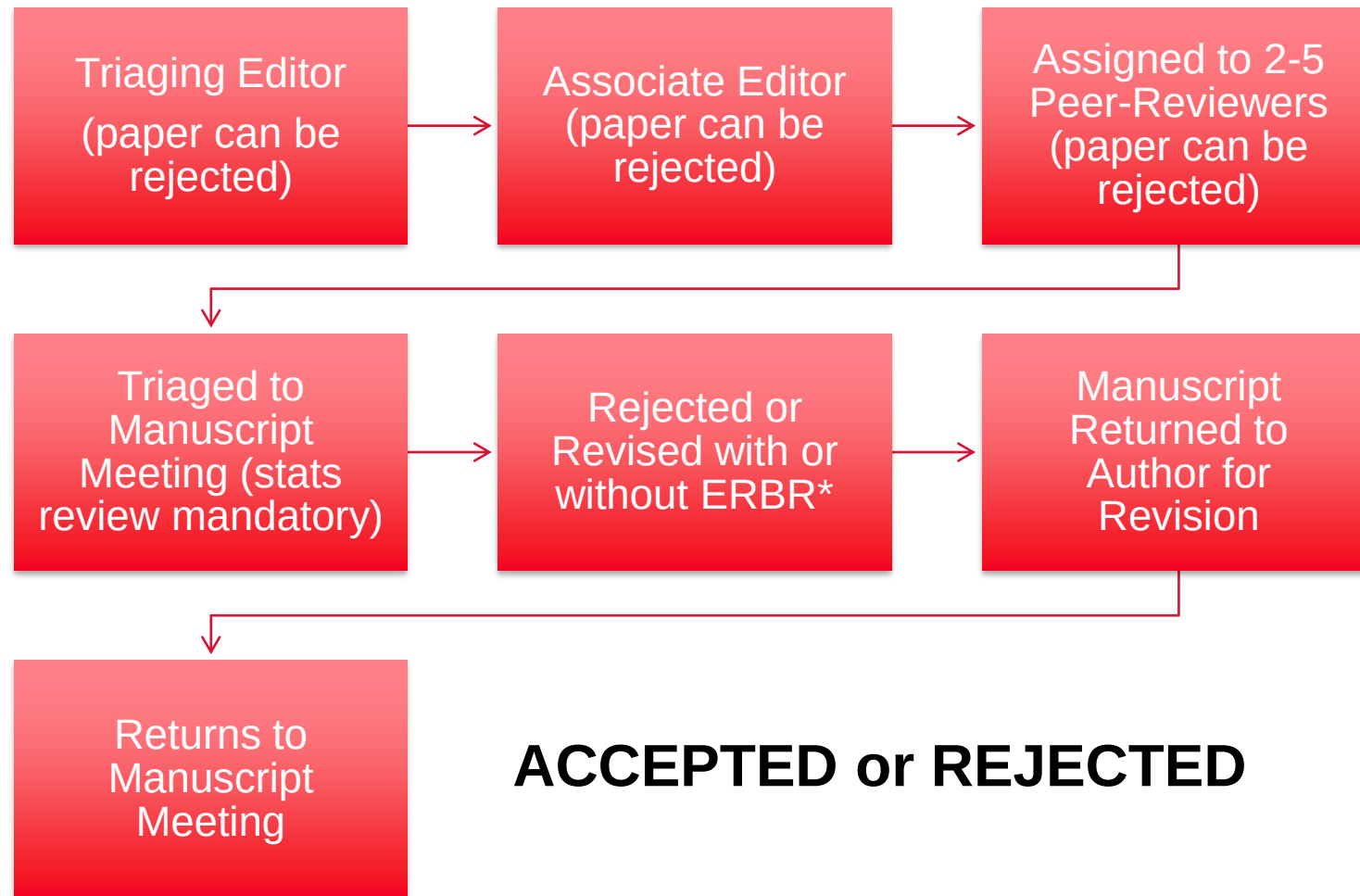
What Do Reviewers Assess?

- Importance (especially clinical importance)
- Clarity (does everything make sense)?
- Design and analysis
- Should review abstract, text, tables, figures, references, and acknowledgements
- Reviewers make **recommendation** to editor
- **Opinions** of reviewers are not binding
- Usually provide comments to authors and separate comments to editors

Editors (JAMA model)

- Review paper
- Review comments from peer-reviewers
- Request statistical review
- Make recommendation and participate in manuscript review meeting
- Discussed in regards to importance and validity
- Decisions: revise and reconsider; reject; revise to research letter; accept or provisional acceptance

Manuscript Processing at JAMA



JAMA – 2015 Key Data

- 4713 research submissions
 - 70% rejected without review within days
 - ~1300 papers sent out for review - decision in 2-3 months
 - 225 papers revision requested, 168 accepted (74%)
 - Overall acceptance rate – 3.6%
 - 197 total “long” papers accepted
- No delay from acceptance to publication
- Late-breakers - ~ 26 published in 2015
- 1500 VPs submitted, 215 accepted (14%)
- 112 editorials published

JAMA's Interest

- Novelty
- Randomized clinical trials (all clinical trials)
- Effect on clinical care or population health
- Large effect – rare disease
- Small effect – common disease
- Public health emergency – infectious diseases

JAMA – Less Interest

- Basic science without clear clinical implications
- Small single site RCTs
- Surveys
- Older data
- Confirmatory studies without new insights
- Small slices of information
- Qualitative research

Responding to Reviews

- Answer completely, answer politely, answer with evidence. Data, not words, are a better response.
- Most times the reviewer/editor are correct
- Reviewers provided conflicting suggestions - ask editor
- You do not have to respond to every issue, but must articulate why you are not responding
- Follow directions – i.e. number responses, indicate changes in manuscript and where they can be found
- Long explanations to editor in cover letter is not the same as modifying the text

Common Mistakes (1)

- Circulating a draft before discussing authorship
- Rushing the abstract at the end (this should be perfect)
- Data in abstract that are not in the paper
- Data in abstract that are different from the paper
- Numbers don't match (text/table/abstract)
- Emphasizing secondary rather than primary outcomes
- Spelling errors in text and references, too much first person
- Poorly referenced paper—too many references

Common Mistakes (2)

- Inconsistencies in Results (Abstract/Text/Tables)
- Lack of clarity—language should be precise
- Too many messages and comparisons
- Exaggeration of findings
- Methodological/statistical clarity
- Relative vs absolute differences
- Misuse of trend, marginal significance, or P value
- Response letter is poorly organized, not responsive