



Steven Goodman

Professor of Medicine (General Medical Disciplines) and of Health Research and Policy (Epidemiology)

Medicine - Primary Care and Population Health

CONTACT INFORMATION

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Bio

BIO

Steven Goodman, MD, MHS, PhD is Associate Dean of Clinical and Translational Research and Professor of Medicine and of Health Research & Policy, directing Stanford's CTSA/Spectrum training programs in medical research methods and serving as chief of the Division of Epidemiology in HRP. He is co-founder and co-director of the Meta-research innovation Center at Stanford (METRICS), a group dedicated to examining and improving the reproducibility and efficiency of biomedical research.

Dr. Goodman's own research concerns the proper measurement, conceptualization and synthesis of research evidence, with particular emphasis on Bayesian approaches to quantitation, and qualitative approaches arising from the philosophy of science. He is also interested in developing methods to use shared data to confirm and extend published science, as well as to explore new hypotheses. He also has worked on the connections between ethics and scientific methods, particularly in the domain of interventional research, and policy making. Finally, he has a strong interest in developing curricula and new models for teaching the foundations of good scientific practice, from question development to proper study design, conduct, analysis and inference.

He has been a senior statistical editor of *Annals of Internal Medicine* since 1987 and was Editor of *Clinical Trials: Journal of the Society for Clinical Trials* from 2004-2013. He is Vice-chair of the Methodology Committee of the Patient Centered Outcomes Research Institute (PCORI), where he leads their open science and data sharing efforts, and is scientific advisor for the national Blue Cross–Blue Shield Technology Assessment Program. He has served on numerous Institute of Medicine committees since the mid 1990's, including chairing a 2012 committee on drug safety, and as a committee member on sharing data from clinical trials, whose report was released in January, 2015. Most recently, he served on an advisory group to the NIH director on the future of the National Library of Medicine, and was awarded the 2016 Spinoza Chair in Medicine from the University of Amsterdam.

From 1989-2011, Steve served on the faculties of the Johns Hopkins Schools of Medicine and Public Health, where he was co-director of the doctoral program in Epidemiology and member (1989-2011) and then director (2007-2011) of the Johns Hopkins cancer center's Division of Biostatistics and Bioinformatics. At Hopkins, he taught courses on Systematic reviews and Meta-analysis, Diagnostic and prognostic testing, and several courses on epidemiologic, clinical research and inferential

methods. He received an AB from Harvard, majoring in Biochemistry and Applied Math, an MD from NYU, trained in pediatrics at Washington University in St. Louis, and received a master's degree in Biostatistics and PhD in Epidemiology from Johns Hopkins.

ACADEMIC APPOINTMENTS

- Professor, Medicine - Primary Care and Population Health
- Professor, Health Research & Policy
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Professor of Oncology, Pediatrics, Biostatistics and Epidemiology, Johns Hopkins Schools of Medicine and Public Health, (1989-2011)
- Acting Director, Division of Biostatistics and Bioinformatics, Department of Oncology, Johns Hopkins School of Medicine, (2007-2010)
- Director, MedScholars Clinical Research Concentration, Stanford, (2011- present)
- Director, Spectrum Research Education and Training, Stanford, (2011- present)
- Chief, Division of Epidemiology, Dept. of Health Research and Policy, (2014- present)
- Co-Director, Meta-research Innovation Center at Stanford (METRICS), (2013- present)
- Associate Dean of Clinical and Translational Research, Stanford, (2011- present)

HONORS AND AWARDS

- Member, National Public Health Honor Society (1989)
- Myrto Lefkopoulou Distinguished Lecturer, Harvard Dept of Biostatistics (2000)
- Fellow, Society for Clinical Trials (2010)
- Spinoza Chair in Medicine, University of Amsterdam (2016)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Advisory committee to the NIH director on the National Library of Medicine (2015 - 2015)
- Senior statistical editor, Annals of Internal Medicine (1987 - present)
- Scientific Advisor and member, Medical Advisory Panel, National Blue Cross-Blue Shield Technology Assessment Program (2001 - present)
- Vice-chair, Methodology Committee, Patient Centered Outcomes Research Institute (PCORI) (2011 - present)
- Member, Committee on Responsible Sharing of Clinical Trial Data, Institute of Medicine (2013 - 2015)
- Co-chair, Committee on Drug Safety, Institute of Medicine (2010 - 2012)
- Editor in Chief, Clinical Trials: Journal of the Society for Clinical Trials (2004 - 2013)

PROFESSIONAL EDUCATION

- PhD, Johns Hopkins School of Public Health , Epidemiology (1989)
- MHS, Johns Hopkins School of Public Health , Biostatistics (1987)
- Board Certification, General Pediatrics, American Board of Pediatrics , Pediatrics (1985)
- Residency, St. Louis Children's Hospital, Washington University School of Medicine , Pediatrics (1984)
- MD, New York University , Medicine (1981)
- AB, Harvard College , Biochemistry, Applied Math (1976)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am interested in issues relating to the representation and measurement of evidence in medical research, and determinants of the truth of medical findings, using a Bayesian framework. I also do work in evidence synthesis, comparative effectiveness research, and the ethics of clinical research.

Teaching

COURSES

2018-19

- Epidemiology Research Seminar: HRP 236 (Aut)
- Essentials of Clinical Research at Stanford: HRP 273 (Aut, Win)
- Foundations of Statistical and Scientific Inference: HRP 264 (Aut)
- Intensive Course in Clinical Research: HRP 245 (Aut)
- Spectrum Scholars Seminar: HRP 229 (Aut, Win, Spr, Sum)

2017-18

- Epidemiology Research Seminar: HRP 236 (Aut)
- Essentials of Clinical Research at Stanford: HRP 273 (Aut, Win)
- Evaluating Technologies for Diagnosis, Prediction and Screening: HRP 219 (Win)
- Foundations of Statistical and Scientific Inference: HRP 264 (Aut)
- Intensive Course in Clinical Research: HRP 245 (Aut)
- Spectrum Scholars Seminar: HRP 229 (Aut, Win, Spr, Sum)

2016-17

- Essentials of Clinical Research at Stanford: HRP 273 (Aut, Win)
- Evaluating Technologies for Diagnosis, Prediction and Screening: HRP 219 (Win)
- Foundations of Statistical and Scientific Inference: HRP 264 (Aut)
- Methods for Network Meta-Analysis: HRP 265 (Spr)
- Spectrum Scholars Seminar: HRP 229 (Aut, Win, Spr, Sum)

2015-16

- Evaluating Technologies for Diagnosis, Prediction and Screening: HRP 219 (Win)
- Spectrum Scholars Seminar: HRP 229 (Aut, Win, Spr, Sum)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Eileen Leary

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Epidemiology (Masters Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Harms From Uninformative Clinical Trials.** *JAMA*
Zarin, D. A., Goodman, S. N., Kimmelman, J.
2019
- **Inappropriate Statistical Analysis and Reporting in Medical Research: Perverse Incentives and Institutional Solutions.** *Annals of internal medicine*
Localio, A. R., Stack, C. B., Meibohm, A. R., Ross, E. A., Guallar, E., Wong, J. B., Cornell, J. E., Griswold, M. E., Goodman, S. N.
2018
- **Assessing scientists for hiring, promotion, and tenure** *PLOS BIOLOGY*
Moher, D., Naudet, F., Cristea, I. A., Miedema, F., Ioannidis, J. A., Goodman, S. N.
2018; 16 (3): e2004089
- **What does research reproducibility mean?** *SCIENCE TRANSLATIONAL MEDICINE*
Goodman, S. N., Fanelli, D., Ioannidis, J. P.
2016; 8 (341)
- **The Research-Treatment Distinction: A Problematic Approach for Determining Which Activities Should Have Ethical Oversight** *HASTINGS CENTER REPORT*
Kass, N. E., Faden, R. R., Goodman, S. N., Pronovost, P., Tunis, S., Beauchamp, T. L.
2013; 43: S4-S15
- **An Ethics Framework for a Learning Health Care System: A Departure from Traditional Research Ethics and Clinical Ethics** *HASTINGS CENTER REPORT*
Faden, R. R., Kass, N. E., Goodman, S. N., Pronovost, P., Tunis, S., Beauchamp, T. L.
2013; 43: S16-S27
- **Causal inference in public health.** *Annual review of public health*
Glass, T. A., Goodman, S. N., Hernán, M. A., Samet, J. M.
2013; 34: 61-75
- **Ethical Considerations in Studying Drug Safety - The Institute of Medicine Report** *NEW ENGLAND JOURNAL OF MEDICINE*
Mello, M. M., Goodman, S. N., Faden, R. R.
2012; 367 (10): 959-964
- **Quasi-random reflections on randomized controlled trials and comparative effectiveness research** *CLINICAL TRIALS*
Goodman, S. N.
2012; 9 (1): 22-26
- **The Methods of Comparative Effectiveness Research** *ANNUAL REVIEW OF PUBLIC HEALTH, VOL 33*
Sox, H. C., Goodman, S. N.
2012; 33: 425-445
- **Metabias: A Challenge for Comparative Effectiveness Research** *ANNALS OF INTERNAL MEDICINE*
Goodman, S., Dickersin, K.
2011; 155 (1): 61-U104
- **Confessions of a chagrined trialist** *BMJ QUALITY & SAFETY*
Goodman, S.
2011; 20: I97-I98
- **Rethinking Randomized Clinical Trials for Comparative Effectiveness Research: The Need for Transformational Change** *ANNALS OF INTERNAL MEDICINE*
Luce, B. R., Kramer, J. M., Goodman, S. N., Connor, J. T., Tunis, S., Whicher, D., Schwartz, J. S.
2009; 151 (3): 206-W45
- **A dirty dozen: Twelve P-value misconceptions** *SEMINARS IN HEMATOLOGY*

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- Goodman, S.
2008; 45 (3): 135-140
- **Stopping at nothing? Some dilemmas of data monitoring in clinical trials** *ANNALS OF INTERNAL MEDICINE*
Goodman, S. N.
2007; 146 (12): 882-887
 - **Reproducible research: Moving toward research the public can really trust** *ANNALS OF INTERNAL MEDICINE*
Laine, C., Goodman, S. N., Griswold, M. E., Sox, H. C.
2007; 146 (6): 450-453
 - **Assessing the unreliability of the medical literature: A response to ?Why most published research findings are false?** www.bepress.com/jhubiostat/paper135
Goodman SN, Greenland S
2007
 - **Introduction to Bayesian methods I: measuring the strength of evidence** *CLINICAL TRIALS*
Goodman, S. N.
2005; 2 (4): 282-290
 - **A Bayesian approach to randomized controlled trials in children utilizing information from adults: the case of Guillain-Barre syndrome** *CLINICAL TRIALS*
Goodman, S. N., Sladky, J. T.
2005; 2 (4): 305-310
 - **Of P-values and bayes: A modest proposal** *EPIDEMIOLOGY*
Goodman, S. N.
2001; 12 (3): 295-297
 - **Toward evidence-based medical statistics. 2: The Bayes factor** *ANNALS OF INTERNAL MEDICINE*
Goodman, S. N.
1999; 130 (12): 1005-1013
 - **Toward evidence-based medical statistics. 1: The P value fallacy** *ANNALS OF INTERNAL MEDICINE*
Goodman, S. N.
1999; 130 (12): 995-1004
 - **SOME PRACTICAL IMPROVEMENTS IN THE CONTINUAL REASSESSMENT METHOD FOR PHASE-I STUDIES** *STATISTICS IN MEDICINE*
Goodman, S. N., Zahurak, M. L., PIANTADOSI, S.
1995; 14 (11): 1149-1161
 - **ASSOCIATION BETWEEN CIGARETTE-SMOKING AND MUTATION OF THE P53 GENE IN SQUAMOUS-CELL CARCINOMA OF THE HEAD AND NECK** *NEW ENGLAND JOURNAL OF MEDICINE*
Brennan, J. A., Boyle, J. O., Koch, W. M., Goodman, S. N., Hruban, R. H., EBY, Y. J., COUCH, M. J., Forastiere, A. A., Sidransky, D.
1995; 332 (11): 712-717
 - **THE USE OF PREDICTED CONFIDENCE-INTERVALS WHEN PLANNING EXPERIMENTS AND THE MISUSE OF POWER WHEN INTERPRETING RESULTS** *ANNALS OF INTERNAL MEDICINE*
Goodman, S. N., Berlin, J. A.
1994; 121 (3): 200-206
 - **P-VALUES, HYPOTHESIS TESTS, AND LIKELIHOOD - IMPLICATIONS FOR EPIDEMIOLOGY OF A NEGLECTED HISTORICAL DEBATE** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Goodman, S. N.
1993; 137 (5): 485-496
 - **A COMMENT ON REPLICATION, P-VALUES AND EVIDENCE** *STATISTICS IN MEDICINE*
Goodman, S. N.
1992; 11 (7): 875-879
 - **META-ANALYSIS AND EVIDENCE** *CONTROLLED CLINICAL TRIALS*
Goodman, S. N.

1989; 10 (2): 188-204

- **EVIDENCE AND SCIENTIFIC-RESEARCH AMERICAN JOURNAL OF PUBLIC HEALTH**
Goodman, S. N., Royall, R.
1988; 78 (12): 1568-1574
- **Random-Effects Assumption in Meta-analyses-Reply. JAMA**
Goodman, S. N., Serghiou, S.
2019; 322 (1): 82
- **Urodynamic factors associated with the large capacity bladder and incomplete emptying after prolapse repair (2009-2015) NEUROUROLOGY AND URODYNAMICS**
Dobberfuhl, A. D., Shaffer, R. K., Goodman, S. N., Chen, B. H.
2019; 38 (5): 1322-31
- **Urodynamic factors associated with the large capacity bladder and incomplete emptying after prolapse repair (2009-2015). Neurourology and urodynamics**
Dobberfuhl, A. D., Shaffer, R. K., Goodman, S. N., Chen, B. H.
2019
- **Lost Evidence From Registered Large Long-Unpublished Randomized Controlled Trials: A Survey. Annals of internal medicine**
Tatsioni, A., Karassa, F. B., Goodman, S. N., Zarin, D. A., Fanelli, D., Ioannidis, J. P.
2019
- **Why is Getting Rid of P-Values So Hard? Musings on Science and Statistics AMERICAN STATISTICIAN**
Goodman, S. N.
2019; 73: 26-30
- **Lack of Diagnostic Utility of "Amino Acid Dysregulation Metabotypes". Biological psychiatry**
Sainani, K. L., Goodman, S. N.
2018
- **Random-Effects Meta-analysis: Summarizing Evidence With Caveats. JAMA**
Serghiou, S., Goodman, S. N.
2018
- **Machine Learning, Health Disparities, and Causal Reasoning. Annals of internal medicine**
Goodman, S. N., Goel, S., Cullen, M. R.
2018
- **Annals Understanding Clinical Research: Interpreting Results With Large P Values ANNALS OF INTERNAL MEDICINE**
Liao, J. M., Stack, C. B., Goodman, S.
2018; 169 (7): 485+
- **How and why studies disagree about the effects of education on health: A systematic review and meta-analysis of studies of compulsory schooling laws SOCIAL SCIENCE & MEDICINE**
Hamad, R., Elser, H., Tran, D. C., Rehkopf, D. H., Goodman, S. N.
2018; 212: 168-78
- **New Principles for Assessing ISSUES IN SCIENCE AND TECHNOLOGY**
Moher, D., Naudet, F., Cristea, I. A., Miedema, F., Ioannidis, J. P., Goodman, S. N.
2018; 35 (1): 20-23
- **THE LARGE CAPACITY BLADDER OVER 600 ML IS ASSOCIATED WITH ONGOING INCOMPLETE BLADDER EMPTYING FOLLOWING ANTERIOR AND/OR APICAL PROLAPSE REPAIR (2009-2015)**
Dobberfuhl, A. D., Shaffer, R. K., Goodman, S. N., Chen, B.
WILEY.2018: S289-S291
- **Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribell's Brain Stethoscope Function. Neurocritical care**
Hobbs, K., Krishnamohan, P., Legault, C., Goodman, S., Parvizi, J., Gururangan, K., Mlynash, M.
2018

- **Clinical Trial Participants' Views of the Risks and Benefits of Data Sharing** *NEW ENGLAND JOURNAL OF MEDICINE*
Mello, M. M., Lieou, V., Goodman, S. N.
2018; 378 (23): 2202–11
- **Statistical Code to Support the Scientific Story** *ANNALS OF INTERNAL MEDICINE*
Localio, A., Goodman, S. N., Meibohm, A., Cornell, J. E., Stack, C. B., Ross, E. A., Mulrow, C. D.
2018; 168 (11): 828–+
- **Improving the integrity of published science: An expanded taxonomy of retractions and corrections** *EUROPEAN JOURNAL OF CLINICAL INVESTIGATION*
Fanelli, D., Ioannidis, J. A., Goodman, S.
2018; 48 (4)
- **A serious nonsense publishing proposal** *NATURE*
Goodman, S. N.
2018; 553 (7687): 155
- **Redefine statistical significance** *NATURE HUMAN BEHAVIOUR*
Benjamin, D. J., Berger, J. O., Johannesson, M., Nosek, B. A., Wagenmakers, E., Berk, R., Bollen, K. A., Brembs, B., Brown, L., Camerer, C., Cesarini, D., Chambers, C. D., Clyde, et al
2018; 2 (1): 6–10
- **Redefine statistical significance.** *Nature human behaviour*
Benjamin, D. J., Berger, J. O., Johannesson, M., Nosek, B. A., Wagenmakers, E. J., Berk, R., Bollen, K. A., Brembs, B., Brown, L., Camerer, C., Cesarini, D., Chambers, C. D., Clyde, et al
2018; 2 (1): 6–10
- **Using big data analytics to extract disease surveillance information from point of care diagnostic machines** *PERVASIVE AND MOBILE COMPUTING*
Amirian, P., van Loggerenberg, F., Lang, T., Thomas, A., Peeling, R., Basiri, A., Goodman, S. N.
2017; 42: 470–86
- **Five ways to fix statistics.** *Nature*
Leek, J., McShane, B. B., Gelman, A., Colquhoun, D., Nuijten, M. B., Goodman, S. N.
2017; 551 (7682): 557–59
- **Using Design Thinking to Differentiate Useful From Misleading Evidence in Observational Research.** *JAMA*
Goodman, S. N., Schneeweiss, S., Baiocchi, M.
2017; 317 (7): 705–7
- **Posing Causal Questions When Analyzing Observational Data-Reply.** *JAMA*
Goodman, S. N., Schneeweiss, S.
2017; 318 (2): 201–2
- **Sharing Clinical Research Data-Finding the Right Balance.** *JAMA internal medicine*
Lo, B., Goodman, S. N.
2017; 177 (9): 1241–42
- **Quantifying over-estimation in early stopped clinical trials and the "freezing effect" on subsequent research** *CLINICAL TRIALS*
Wang, H., Rosner, G. L., Goodman, S. N.
2016; 13 (6): 621-631
- **STATISTICS. Aligning statistical and scientific reasoning.** *Science*
Goodman, S. N.
2016; 352 (6290): 1180-1181
- **Statistical tests, P values, confidence intervals, and power: a guide to misinterpretations** *EUROPEAN JOURNAL OF EPIDEMIOLOGY*
Greenland, S., Senn, S. J., Rothman, K. J., Carlin, J. B., Poole, C., Goodman, S. N., Altman, D. G.
2016; 31 (4): 337-350
- **Academic criteria for appointment, promotion and rewards in medical research: where's the evidence?** *European journal of clinical investigation*

- Moher, D., Goodman, S. N., Ioannidis, J. P.
2016
- **Informatics: Make sense of health data** *NATURE*
Elliott, J. H., Grimshaw, J., Altman, R., Bero, L., Goodman, S. N., Henry, D., Macleod, M., Tovey, D., Tugwell, P., White, H., Sim, I.
2015; 527 (7576): 31–32
 - **Data monitoring committees for pragmatic clinical trials** *CLINICAL TRIALS*
Ellenberg, S. S., Culbertson, R., Gillen, D. L., Goodman, S., Schrandt, S., Zirkle, M.
2015; 12 (5): 530–36
 - **An interview with David Sackett, 2014-2015.** *Clinical trials*
Haynes, R. B., Goodman, S. N.
2015; 12 (5): 540-551
 - **Meta-research: Evaluation and Improvement of Research Methods and Practices** *PLOS BIOLOGY*
Ioannidis, J. P., Fanelli, D., Dunne, D. D., Goodman, S. N.
2015; 13 (10)
 - **Random-Effects Meta-analysis of Inconsistent Effects: A Time for Change.** *Annals of internal medicine*
Cornell, J. E., Mulrow, C. D., Localio, R., Stack, C. B., Meibohm, A. R., Guallar, E., Goodman, S. N.
2014; 160 (4): 267-270
 - **Opening the FDA Black Box** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Goodman, S. N., Redberg, R. F.
2014; 311 (4): 361–63
 - **Discussion: An estimate of the science-wise false discovery rate and application to the top medical literature.** *Biostatistics (Oxford, England)*
Goodman, S. N.
2014; 15 (1): 23–27; discussion 39–45
 - **Raw data from clinical trials: within reach?** *Trends in pharmacological sciences*
Doshi, P., Goodman, S. N., Ioannidis, J. P.
2013; 34 (12): 645-647
 - **Handling of Rescue and Missing Data Affects Synthesis and Interpretation of Evidence: The Sodium-Glucose Cotransporter 2 Inhibitor Example** *ANNALS OF INTERNAL MEDICINE*
Stack, C. B., Localio, A. R., Griswold, M. E., Goodman, S. N., Mulrow, C. D.
2013; 159 (4): 285-?
 - **The Relative Expression of Mig6 and EGFR Is Associated with Resistance to EGFR Kinase Inhibitors** *PLOS ONE*
Chang, X., Izumchenko, E., Solis, L. M., Kim, M. S., Chatterjee, A., Ling, S., Monitto, C. L., Harari, P. M., Hidalgo, M., Goodman, S. N., Wistuba, I. I., Bedi, A., Sidransky, et al
2013; 8 (7)
 - **Closing in on the truth about recombinant human bone morphogenetic protein-2: evidence synthesis, data sharing, peer review, and reproducible research.** *Annals of internal medicine*
Laine, C., Guallar, E., Mulrow, C., Taichman, D. B., Cornell, J. E., Cotton, D., Griswold, M. E., Localio, A. R., Meibohm, A. R., Stack, C. B., Williams, S. V., Goodman, S. N.
2013; 158 (12): 916-918
 - **Bayesian methods for evidence evaluation: are we there yet?** *Circulation*
Goodman, S. N.
2013; 127 (24): 2367-2369
 - **Advances in regulatory science at the Food and Drug Administration.** *JAMA-the journal of the American Medical Association*
Psaty, B. M., Goodman, S. N., Breckenridge, A.
2013; 309 (20): 2103-2104
 - **A decade of Clinical Trials.** *Clinical trials (London, England)*
Goodman, S. N.

2013; 10 (6): 837-39

- **Beyond the Usual Prediction Accuracy Metrics: Reporting Results for Clinical Decision Making** *ANNALS OF INTERNAL MEDICINE*
Localio, A. R., Goodman, S.
2012; 157 (4): 294-?
- **Correlation between BRAF mutation and promoter methylation of TIMP3, RAR beta 2 and RASSF1A in thyroid cancer** *EPIGENETICS*
Brait, M., Loyo, M., Rosenbaum, E., Ostrow, K. L., Markova, A., Papagerakis, S., Zahurak, M., Goodman, S. N., Zeiger, M., Sidransky, D., Umbricht, C. B., Hoque, M. O.
2012; 7 (7): 710-719
- **Methodological Standards and Patient-Centeredness in Comparative Effectiveness Research The PCORI Perspective** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Basch, E., Aronson, N., Berg, A., Flum, D., Gabriel, S., Goodman, S. N., Helfand, M., Ioannidis, J. P., Lauer, M., Meltzer, D., Mittman, B., Newhouse, R., Normand, et al
2012; 307 (15): 1636-1640
- **Landmark clinical trials: a new journal series** *CLINICAL TRIALS*
Goodman, S. N.
2011; 8 (2): 128-128
- **Harry Marks: an appreciation.** *Clinical trials*
Goodman, S. N., Rosner, D., Reverby, S. M., Chalmers, I., Rosenberg, C. E.
2011; 8 (2): 123-127
- **Diastolic Blood Pressure Levels and Ischemic Stroke Incidence in Older Adults With White Matter Lesions** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*
Reshef, S., Fried, L., Beauchamp, N., Scharfstein, D., Reshef, D., Goodman, S.
2011; 66 (1): 74-81
- **On making clinical trials possible** *CLINICAL TRIALS*
Goodman, S. N.
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- **CONSORT 2010 Explanation and Elaboration: Updated guidelines for reporting parallel group randomised trials.** *Journal of clinical epidemiology*
Moher, D., Hopewell, S., Schulz, K. F., Montori, V., Gøtzsche, P. C., Devereaux, P. J., Elbourne, D., Egger, M., Altman, D. G.
2010; 63 (8): e1-37
- **Bias and Trials Stopped Early for Benefit** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Goodman, S., Berry, D., Wittes, J.
2010; 304 (2): 157-157
- **Commentary** *BIOSTATISTICS*
Goodman, S. N.
2010; 11 (3): 389-390
- **CONSORT 2010 Statement Updated Guidelines for Reporting Parallel Group Randomized Trials** *OBSTETRICS AND GYNECOLOGY*
Schulz, K. F., Altman, D. G., Moher, D.
2010; 115 (5): 1063-1070
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Luznik, L., Bolanos-Meade, J., Zahurak, M., Chen, A. R., Smith, B. D., Brodsky, R., Huff, C. A., Borrello, I., Matsui, W., Powell, J. D., Kasamon, Y., Goodman, S. N., Hess, et al
2010; 115 (16): 3224-3230
- **High-dose cyclophosphamide for severe aplastic anemia: long-term follow-up** *BLOOD*
Brodsky, R. A., Chen, A. R., Dorr, D., Fuchs, E. J., Huff, C. A., Luznik, L., Smith, B. D., Matsui, W. H., Goodman, S. N., Ambinder, R. F., Jones, R. J.
2010; 115 (11): 2136-2141
- **An Absence of Evidence in "Evidence-Based Rulemaking"** *AMERICAN JOURNAL OF BIOETHICS*
Gerson, J., Goodman, S. N.

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- **Considering Usual Medical Care in Clinical Trial Design** *PLOS MEDICINE*
Dawson, L., Zarin, D. A., Emanuel, E. J., Friedman, L. M., Chaudhari, B., Goodman, S. N.
2009; 6 (9)
- **Sensitive digital quantification of DNA methylation in clinical samples** *NATURE BIOTECHNOLOGY*
Li, M., Chen, W., Papadopoulos, N., Goodman, S. N., Bjerregaard, N. C., Laurberg, S., Levin, B., Juhl, H., Arber, N., Moinova, H., Durkee, K., Schmidt, K., He, et al
2009; 27 (9): 858-U118
- **Building a Bayesian Bridge From Evidence to Guidelines** *ARCHIVES OF INTERNAL MEDICINE*
Goodman, S. N.
2009; 169 (15): 1436-1437
- **An intervention to improve cancer patients' understanding of early-phase clinical trials.** *IRB*
Kass, N. E., Sugarman, J., Medley, A. M., Fogarty, L. A., Taylor, H. A., Daugherty, C. K., Emerson, M. R., Goodman, S. N., Hlubocky, F. J., Hurwitz, H. I., Carducci, M., Goodwin-Landher, A.
2009; 31 (3): 1-10
- **Stopping trials for efficacy: an almost unbiased view** *CLINICAL TRIALS*
Goodman, S. N.
2009; 6 (2): 133-135
- **Phase II Study of Risk-Adapted Therapy of Newly Diagnosed, Aggressive Non-Hodgkin Lymphoma Based on Midtreatment FDG-PET Scanning** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
Kasamon, Y. L., Wahl, R. L., Ziessman, H. A., Blackford, A. L., Goodman, S. N., Fidyk, C. A., Rogers, K. M., Bolanos-Meade, J., Borowitz, M. J., Ambinder, R. F., Jones, R. J., Swinnen, L. J.
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