



## Jane P. Kim

Clinical Associate Professor, Psychiatry and Behavioral Sciences

### Bio

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#### BIO

Jane Paik Kim, Ph.D, is a Clinical Associate Professor at Stanford University School of Medicine in the Department of Psychiatry and Behavioral Sciences. Her research focuses on empirical approaches to address critical ethical questions and challenges that are interlinked with emerging clinical innovation opportunities (e.g., integration of innovative technologies in healthcare settings) and public health needs (e.g., development of precision medicine interventions). Another focus of her work is the integration of statistical learning approaches for behavioral interventions delivered via digital platforms.

With colleagues, Dr. Kim leads an NIH-funded project to understand ethical implications of incorporating ML/AI technology within clinical practice. She also currently serves as a Co-Investigator in a range of NIH-funded interdisciplinary projects in behavioral health and psychiatry.

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Psychiatry and Behavioral Sciences

#### HONORS AND AWARDS

- R01, Stakeholder guidance to address ethical challenges in applications of AI in medicine, National Institutes of Health (2020-2024)
- Learning Health Innovation Pilot Grant, Stanford Center for Clinical and Translational Education and Research (2017)
- Small Grant Award, Department of Psychiatry and Behavioral Sciences (2016)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board Member, Ethics and Behavior (2019 - present)
- Editorial Advisor, Academic Psychiatry (2014 - 2018)
- Member, American Statistical Association (2009 - present)

#### PROFESSIONAL EDUCATION

- Ph.D., Columbia University , Statistics (2009)
- A.M., Harvard University , Statistics (2005)
- B.A., Columbia University (2004)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Kim's research focuses on applying statistical approaches to evaluate and improve digital interventions, and using empirical approaches to understand ethical considerations for AI applications in healthcare.

### PROJECTS

- Stakeholder guidance to anticipate and address ethical challenges in applications of machine learning and artificial intelligence in algorithmic medicine - Stanford University

## Teaching

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### COURSES

#### 2024-25

- Methodology of Research in Behavioral Sciences: PSYC 250 (Aut)

#### 2023-24

- Methodology of Research in Behavioral Sciences: PSYC 250 (Aut)

#### 2022-23

- Methodology of Research in Behavioral Sciences: PSYC 250 (Aut)

#### 2021-22

- Methodology of Research in Behavioral Sciences: PSYC 250 (Aut)

## Publications

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### PUBLICATIONS

- **Robust Tests in Online Decision-Making**  
Kim, G., Kim, J. P., Yang, H., Assoc Advancement Artificial Intelligence  
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2022: 10016-10024
- **Rejoinder to "A Note on Using Regression Models to Analyze Randomized Trials: Asymptotically Valid Hypothesis Tests Despite Incorrectly Specified Models"** *BIOMETRICS*  
Kim, J. P.  
2013; 69 (1)
- **A Unified Approach to Semiparametric Transformation Models Under General Biased Sampling Schemes** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Kim, J. P., Lu, W., Sit, T., Ying, Z.  
2013; 108 (501): 217-227
- **A composite likelihood approach for spatially correlated survival data** *Computational Statistics and Data Analysis*  
Paik J, Ying Z  
2012; 56 (1): 209-216
- **Development and validation of a pragmatic measure of context at the organizational level: The Inventory of Factors Affecting Successful Implementation and Sustainment (IFASIS).** *Implementation science communications*  
Chokron Garneau, H., Cheng, H., Kim, J., Abdel Magid, M., Chin-Purcell, L., McGovern, M.  
2025; 6 (1): 50
- **Readiness Evaluation for Artificial Intelligence-Mental Health Deployment and Implementation (READI): A Review and Proposed Framework** *TECHNOLOGY, MIND, AND BEHAVIOR*  
Stade, E. C., Eichstaedt, J. C., Kim, J. P., Stirman, S.

2025; 6 (2)

- **A Secondary Analysis Suggests That Repetitive Transcranial Magnetic Stimulation Applied to the Left Dorsolateral Prefrontal Cortex Reduces Cue-Induced-Craving in Treatment Seeking Participants with Cannabis Use Disorder.** *medRxiv : the preprint server for health sciences*  
Wong, B. L., Kim, B., Singh, M. K., Kim, J. P., McRae-Clark, A. L., Sahlem, G. L.  
2025
- **The effects of a sleep intervention in the early COVID-19 pandemic on insomnia and depressive symptoms: Results of a randomized controlled pilot study.** *Journal of psychiatric research*  
Osorno, R. A., Ahmadi, M., O'Hora, K. P., Solomon, N. L., Lopez, M., Morehouse, A. B., Kim, J. P., Manber, R., Goldstein-Piekarski, A. N.  
2025; 182: 319-328
- **Assessing the impact of information on patient attitudes toward artificial intelligence-based clinical decision support (AI/CDS): a pilot web-based SMART vignette study.** *Journal of medical ethics*  
Kim, B., Ryan, K., Kim, J. P.  
2024
- **Effects of a Triage Checklist to Optimize Insomnia Treatment Outcomes and Reduce Hypnotic Use: The RESTING Study.** *Sleep*  
Manber, R., Gumpert, N. B., Tully, I. A., Kim, J. P., Kim, B., Simpson, N., Rosas, L. G., Zulman, D. M., Goldhaber-Fiebert, J. D., Rangel, E., Dietch, J. R., Tutek, J., Palaniappan, et al  
2024
- **PREDICTORS OF INSOMNIA AND DEPRESSION IN A RANDOMIZED CONTROLLED INSOMNIA TREATMENT TRIAL IN THE COVID-19 PANDEMIC**  
Osorno, R., Ahmadi, M., Solomon, N., O'Hora, K., Morehouse, A., Lopez, M., Kim, J., Manber, R., Goldstein-Piekarski, A.  
OXFORD UNIV PRESS INC.2024
- **Understanding Physician's Perspectives on AI in Health Care: Protocol for a Sequential Multiple Assignment Randomized Vignette Study.** *JMIR research protocols*  
Kim, J. P., Yang, H. J., Kim, B., Ryan, K., Roberts, L. W.  
2024; 13: e54787
- **A novel experimental vignette methodology: SMART vignettes** *Methodological Innovations*  
Kim, J. P., Yang, H.  
2024
- **Effects of a Digital Therapeutic Adjunct to Eating Disorder Treatment on Health Care Service Utilization and Clinical Outcomes: Retrospective Observational Study Using Electronic Health Records** *JMIR MENTAL HEALTH*  
Palacios, J. E., Erickson-Ridout, K. K., Kim, J., Buttlair, S., Ridout, S., Argue, S., Tregarthen, J.  
2024; 11: e59145
- **Academic machine learning researchers' ethical perspectives on algorithm development for health care: a qualitative study.** *Journal of the American Medical Informatics Association : JAMIA*  
Kasun, M., Ryan, K., Paik, J., Lane-McKinley, K., Dunn, L. B., Roberts, L. W., Kim, J. P.  
2023
- **A preliminary randomized controlled trial of repetitive transcranial magnetic stimulation applied to the left dorsolateral prefrontal cortex in treatment seeking participants with cannabis use disorder.** *Drug and alcohol dependence*  
Sahlem, G. L., Kim, B., Baker, N. L., Wong, B. L., Caruso, M. A., Campbell, L. A., Kaloani, I., Sherman, B. J., Ford, T. J., Musleh, A. H., Kim, J. P., Williams, N. R., Manett, et al  
2023; 254: 111035
- **Physicians' and Machine Learning Researchers' Perspectives on Ethical Issues in the Early Development of Clinical Machine Learning Tools: Qualitative Interview Study.** *JMIR AI*  
Kim, J. P., Ryan, K., Kasun, M., Hogg, J., Dunn, L. B., Roberts, L. W.  
2023; 2: e47449
- **Study protocol for a sequential multiple assignment randomized trial to reduce risky drinking among service members and their partners.** *Contemporary clinical trials*  
Osilla, K. C., Gore, K. L., Pedersen, E. R., Hummer, J., Deyoreo, M., Manuel, J. K., McKay, J. R., Kim, J. P., Nameth, K.  
2023: 107324

- **A Preliminary Investigation Of Repetitive Transcranial Magnetic Stimulation Applied To The Left Dorsolateral Prefrontal Cortex In Treatment Seeking Participants With Cannabis Use Disorder.** *medRxiv : the preprint server for health sciences*  
Sahlem, G. L., Kim, B., Baker, N. L., Wong, B. L., Caruso, M. A., Campbell, L. A., Kaloani, I., Sherman, B. J., Ford, T. J., Musleh, A. H., Kim, J. P., Williams, N. R., Manett, et al  
2023
- **EARLY SLEEP INTERVENTION MITIGATES POOR SLEEP AND IMPROVES MOOD IN THE COVID-19 PANDEMIC**  
Osorno, R., Solomon, N., Ahmadi, M., O'hora, K., Lopez, M., Morehouse, A., Kim, J., Manber, R., Goldstein-Piekarski, A.  
OXFORD UNIV PRESS INC.2023: A141
- **Beliefs about prescription sleep medications and interest in reducing hypnotic use: an examination of middle-aged and older adults with insomnia disorder.** *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*  
Tully, I. A., Kim, J. P., Simpson, N., Palaniappan, L., Tutek, J., Gumport, N. B., Dietch, J. R., Manber, R.  
2023
- **Just Do Something: Comparing Self-proposed and Machine-recommended Stress Interventions among Online Workers with Home Sweet Office**  
Tong, X., Mauriello, M., Mora-Mendoza, M., Prabhu, N., Kim, J., Paredes, P. E., ACM  
ASSOC COMPUTING MACHINERY.2023
- **Factors Influencing Perceived Helpfulness and Participation in Innovative Research: A Pilot Study of Individuals with and without Mood Symptoms.** *Ethics & behavior*  
Kim, J. P., Tsungmey, T., Rostami, M., Mondal, S., Kasun, M., Roberts, L. W.  
2022; 32 (7): 601-617
- **Self-reported influences on willingness to receive COVID-19 vaccines among physically ill, mentally ill, and healthy individuals.** *Journal of psychiatric research*  
Roberts, L. W., Kim, J. P., Rostami, M., Kasun, M., Kim, B.  
2022; 155: 501-510
- **THE FIRST STEP OF A TRIAGED STEPPED-CARE DELIVERY OF CBTI: A PRELIMINARY REPORT FROM THE RESTING STUDY**  
Manber, R., Kim, J., Simpson, N., Tully, I., Tutek, J., Dietch, J., Gumport, N., Rosas, L., Zulmann, D., Palaniappan, L.  
OXFORD UNIV PRESS INC.2022: A203
- **PRESCRIBING PATTERNS FOR HYPNOTIC MEDICATION AMONG ADULTS SEEKING CBTI TREATMENT: A PRELIMINARY REPORT FROM THE RESTING STUDY**  
Simpson, N., Kim, J., Tully, I., Dietch, J., Tutek, J., Gumport, N., Palaniappan, L., Rosas, L., Zulman, D., Manber, R.  
OXFORD UNIV PRESS INC.2022: A212
- **Influence of Dispositional Optimism on Ethically Salient Research Perspectives: A Pilot Study.** *Ethics & human research*  
Kim, J. P., Mondal, S., Tsungmey, T., Ryan, K., Dunn, L. B., Roberts, L. W.  
2022; 44 (3): 12-23
- **RCT of the effectiveness of stepped-care sleep therapy in general practice: The RESTING study protocol.** *Contemporary clinical trials*  
Manber, R., Tully, I. A., Palaniappan, L., Kim, J. P., Simpson, N., Zulman, D. M., Goldhaber-Fiebert, J. D., Rangel, E., Dietch, J. R., Rosas, L. G.  
2022: 106749
- **Eating disorders early app use mediates treatment effect on clinical improvement.** *The International journal of eating disorders*  
Kim, J. P., Sadeh-Sharvit, S., Welch, H. A., Neri, E., Tregarthen, J., Lock, J.  
1800
- **Stakeholders' Perspectives regarding Participation in Neuromodulation-Based Dementia Intervention Research.** *Journal of empirical research on human research ethics : JERHRE*  
Dunn, L. B., Kim, J. P., Rostami, M., Mondal, S., Ryan, K., Waraich, A., Roberts, L. W., Palmer, B. W.  
2021: 15562646211060997
- **Factors Influencing Perceived Helpfulness and Participation in Innovative Research:A Pilot Study of Individuals with and without Mood Symptoms** *ETHICS & BEHAVIOR*  
Kim, J., Tsungmey, T., Rostami, M., Mondal, S., Kasun, M., Roberts, L.  
2021

- **Maternal Perceptions of Safeguards for Research Involving Children** *JOURNAL OF CHILD AND FAMILY STUDIES*  
Rostami, M., Kim, J., Turner-Essel, L., Roberts, L.  
2021
- **Perceived protectiveness of research safeguards and influences on willingness to participate in research: A novel MTurk pilot study.** *Journal of psychiatric research*  
Kim, J. P., Ryan, K., Tsungmeyer, T., Kasun, M., Roberts, W. A., Dunn, L. B., Roberts, L. W.  
2021; 138: 200–206
- **Letter to the editor: Machine learning and artificial intelligence in psychiatry: Balancing promise and reality.** *Journal of psychiatric research*  
Kim, J. P.  
2021; 136: 244–45
- **Engagement Patterns of Users and Providers: a Study of Messaging on App Usage in a Smartphone App for the Treatment of Eating Disorders** *J. technol. behav. sci.*  
Kim, J. P., Hwang, J., Tregarthen, J.  
2021; 6: 572–577
- **Viability of an Early Sleep Intervention to Mitigate Poor Sleep and Improve Well-being in the COVID-19 Pandemic: Protocol for a Feasibility Randomized Controlled Trial.** *JMIR research protocols*  
O'Hora, K. P., Osorno, R. A., Sadeghi-Bahmani, D., Lopez, M., Morehouse, A., Kim, J. P., Manber, R., Goldstein-Piekarski, A. N.  
2021
- **Artificial Intelligence and Suicide Prevention: A Systematic Review of Machine Learning Investigations.** *International journal of environmental research and public health*  
Bernert, R. A., Hilberg, A. M., Melia, R., Kim, J. P., Shah, N. H., Abnousi, F.  
2020; 17 (16)
- **Attitudes of Mothers Regarding Willingness to Enroll Their Children in Research.** *Journal of empirical research on human research ethics : JERHRE*  
Kim, J. P., Rostami, M. n., Roberts, L. W.  
2020: 1556264620927583
- **Comparing a Tailored Self-Help Mobile App With a Standard Self-Monitoring App for the Treatment of Eating Disorder Symptoms: Randomized Controlled Trial.** *JMIR mental health*  
Tregarthen, J., Paik Kim, J., Sadeh-Sharvit, S., Neri, E., Welch, H., Lock, J.  
2019; 6 (11): e14972
- **Attitudes Regarding Enrollment in a Genetic Research Project: An Informed Consent Simulation Study Comparing Views of People With Depression, Diabetes, and Neither Condition.** *Journal of empirical research on human research ethics : JERHRE*  
Kim, J. P., Ryan, K., Roberts, L. W.  
2019: 1556264619862467
- **Negative association of perceived risk and willingness to participate in innovative psychiatric research protocols.** *Journal of psychiatric research*  
Tsungmeyer, T. n., Kim, J. P., Dunn, L. B., Ryan, K. n., Lane-McKinley, K. n., Roberts, L. W.  
2019; 122: 9–16
- **Safeguarding Participants in Psychiatric Genetic Research: Perspectives of Key Stakeholder Groups.** *Ethics & human research*  
Rostami, M. n., Dunn, L. B., Kim, J. P., Roberts, L. W.  
2019; 41 (6): 12–22
- **Do human subject safeguards matter to potential participants in psychiatric genetic research?** *Journal of psychiatric research*  
Roberts, L. W., Kim, J. P., Tsungmeyer, T. n., Dunn, L. B.  
2019; 116: 95–103
- **Views of the importance of psychiatric genetic research by potential volunteers from stakeholder groups.** *Journal of psychiatric research*  
Roberts, L. W., Tsungmeyer, T., Kim, J. P., Hantke, M.  
2018; 106: 69–73
- **Perspectives of psychiatric investigators and IRB chairs regarding benefits of psychiatric genetics research.** *Journal of psychiatric research*

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- Roberts, L. W., Dunn, L. B., Kim, J. P., Rostami, M.  
2018; 106: 54–60
- **The Utility and Acceptability of a Self-Help Smartphone Application for Eating Disorder Behaviors.** *Journal of technology in behavioral science*  
Kim, J. P., Sadeh-Sharvit, S., Darcy, A. M., Neri, E., Vierhile, M., Robinson, A., Tregarthen, J., Lock, J. D.  
2018; 3 (3): 161–64
  - **Does informed consent given by healthy individuals when enrolling in clinical research feel less voluntary than for ill individuals?** *Journal of psychiatric research*  
Roberts, L., Kim, J. P.  
2018; 103: 33–37
  - **Subgrouping the users of a specialized app for eating disorders.** *Eating disorders*  
Sadeh-Sharvit, S., Kim, J. P., Darcy, A. M., Neri, E., Vierhile, M., Robinson, A., Tregarthen, J., Lock, J. D.  
2018: 1–12
  - **The Transition to Precision Psychiatry and Pragmatic Inquiry Methods in Academic Psychiatry: The Example of Point-of-Care Clinical Trials.** *Academic psychiatry : the journal of the American Association of Directors of Psychiatric Residency Training and the Association for Academic Psychiatry*  
Kim, J. P., Roberts, L. W.  
2017
  - **Receptiveness to participation in genetic research: A pilot study comparing views of people with depression, diabetes, or no illness** *JOURNAL OF PSYCHIATRIC RESEARCH*  
Roberts, L., Kim, J.  
2017; 94: 156–62
  - **Lifetime anxiety disorder and current anxiety symptoms associated with hastened depressive recurrence in bipolar disorder.** *Journal of affective disorders*  
Shah, S., Kim, J. P., Park, D. Y., Kim, H., Yuen, L. D., Do, D., Dell'Osso, B., Hooshmand, F., Miller, S., Wang, P. W., Ketter, T. A.  
2017; 219: 165-171
  - **Healthy individuals' perspectives on clinical research protocols and influences on enrollment decisions** *AJOB Empirical Bioethics*  
Roberts, L. W., Kim, J. P.  
2017; 8 (2): 89-98
  - **Perceptions of the Professional Development Value of Honorary Fellowship Award Experiences.** *Academic psychiatry*  
Roberts, L. W., Kim, J. P., Samuels, C., Winstead, D.  
2016; 40 (5): 761-767
  - **Are individuals living with mental illness and their preferred alternative decision-makers attuned and aligned in-their attitudes regarding treatment decisions?** *JOURNAL OF PSYCHIATRIC RESEARCH*  
Roberts, L. W., Kim, J. P.  
2016; 78: 42-47
  - **Accelerated failure time model under general biased sampling scheme** *BIostatistics*  
Kim, J. P., Sit, T., Ying, Z.  
2016; 17 (3): 576-588
  - **Attunement and alignment of people with schizophrenia and their preferred alternative decision-makers: An exploratory pilot study comparing treatment and research decisions** *JOURNAL OF PSYCHIATRIC RESEARCH*  
Roberts, L. W., Kim, J. P.  
2015; 71: 70-77
  - **Informal Health Care Practices of Residents: "Curbside" Consultation and Self-Diagnosis and Treatment** *ACADEMIC PSYCHIATRY*  
Roberts, L. W., Kim, J. P.  
2015; 39 (1): 22-30
  - **Caring for patients takes time: dr. Peabody says so!** *Academic psychiatry*  
Beresin, E. V., Balon, R., Coverdale, J. H., Louie, A. K., Kim, J. P., Roberts, L. W.

2015; 39 (1): 1-5

- **Moving Beyond Community Mental Health: Public Mental Health as an Emerging Focus for Psychiatry Residency Training.** *Academic psychiatry : the journal of the American Association of Directors of Psychiatric Residency Training and the Association for Academic Psychiatry*  
Roberts, L. W., Beresin, E. V., Coverdale, J. H., Balon, R., Louie, A. K., Kim, J. P., Ohayon, M. M.  
2014
- **Giving voice to study volunteers: Comparing views of mentally ill, physically ill, and healthy protocol participants on ethical aspects of clinical research** *JOURNAL OF PSYCHIATRIC RESEARCH*  
Roberts, L. W., Kim, J. P.  
2014; 56: 90-97
- **Do investigators understand ethically-important perspectives of clinical research participants?: A 'piggy-back' study of attunement and alignment in serious illness research.** *Journal of psychiatric research*  
Roberts, L. W., Kim, J. P.  
2014; 52: 36-43
- **Randomized Clinical Trial to Evaluate the Efficacy and Safety of Valganciclovir in a Subset of Patients With Chronic Fatigue Syndrome** *JOURNAL OF MEDICAL VIROLOGY*  
Montoya, J. G., Kogelnik, A. M., Bhangoo, M., Lunn, M. R., Flamand, L., Merrihew, L. E., Watt, T., Kubo, J. T., Paik, J., Desai, M.  
2013; 85 (12): 2101-2109
- **Real-Time Optical Biopsy of Colon Polyps With Narrow Band Imaging in Community Practice Does Not Yet Meet Key Thresholds for Clinical Decisions** *GASTROENTEROLOGY*  
Ladabaum, U., Fioritto, A., Mitani, A., Desai, M., Kim, J. P., Rex, D. K., Imperiale, T., Gunaratnam, N.  
2013; 144 (1): 81-91
- **A Unified Approach to Semiparametric Transformation Models under General Biased Sampling Schemes.** *Journal of the American Statistical Association*  
Kim, J. P., Lu, W., Sit, T., Ying, Z.  
2013; 108 (501): 217-227
- **Donor Recipient Sex Mismatch in Kidney Transplantation** *GENDER MEDICINE*  
Tan, J. C., Kim, J. P., Chertow, G. M., Grumet, F. C., Desai, M.  
2012; 9 (5): 335-347
- **The diagnostic yield of CT-guided percutaneous lung biopsy in solid organ transplant recipients** *CLINICAL TRANSPLANTATION*  
Hsu, J. L., Kuschner, W. G., Paik, J., Bower, N., Guillamet, M. C., Kothary, N.  
2012; 26 (4): 615-621
- **Validation of Reported Predialysis Nephrology Care of Older Patients Initiating Dialysis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*  
Kim, J. P., Desai, M., Chertow, G. M., Winkelmayer, W. C.  
2012; 23 (6): 1078-1085
- **Trends in Acute Nonvariceal Upper Gastrointestinal Bleeding in Dialysis Patients** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*  
Yang, J., Lee, T., Montez-Rath, M. E., Paik, J., Chertow, G. M., Desai, M., Winkelmayer, W. C.  
2012; 23 (3): 495-506
- **Validity of Surrogate Measures for Functional Nephron Mass** *TRANSPLANTATION*  
Tan, J. C., Paik, J., Chertow, G. M., Grumet, F. C., Busque, S., Lapasia, J., Desai, M.  
2011; 92 (12): 1335-1341
- **Intradialytic Hypotension and Vascular Access Thrombosis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*  
Chang, T. I., Paik, J., Greene, T., Desai, M., Bech, F., Cheung, A. K., Chertow, G. M.  
2011; 22 (8): 1526-1533
- **Epidemiologic trends in penile anomalies and hypospadias in the state of California, 1985-2006** *JOURNAL OF PEDIATRIC UROLOGY*  
Elliott, C. S., Halpern, M. S., Paik, J., Maldonado, Y., Shortliffe, L. D.  
2011; 7 (3): 294-298

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Chang, T. I., Paik, J., Greene, T., Miskulin, D. C., Chertow, G. M.  
2010; 14 (4): 478-485
- **Demonstrating Patterns in the Views Of Stakeholders Regarding Ethically-Salient Issues in Clinical Research: A Novel Use of Graphical Models in Empirical Ethics Inquiry.** *AJOB empirical bioethics*  
Kim, J. P., Roberts, L. W.  
; 6 (2): 33-42