

# Devin Incerti

Research Economist

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## Education

- 2015 Ph.D. Public Policy (Political Economy), Princeton University
- 2013 M.A. Public Affairs, Princeton University
- 2009 B.A. Mathematics and Economics, University of California, San Diego
- 2009 B.A. Political Science, University of California, San Diego

## Employment

- 2017-17 Lead economist - Open-Source Value Project, Innovation and Value Initiative, Oakland CA
- 2017-17 Research economist, Precision Health Economics, Oakland CA
- 2016-17 Associate research economist, Precision Health Economics, Oakland CA
- 2015-16 Research economist intern, Precision Health Economics, Oakland CA
- 2009-10 Research Associate, NERA Economic Consulting, Los Angeles, CA

## Publications

Frasco MA, Shih T, **Incerti D**, Diaz Espinosa O, Vania DK, Thomas N. Incremental net monetary benefit of ocrelizumab relative to subcutaneous interferon  $\beta$ -1a. *Journal of Medical Economics*. 2017 Oct 3;20(10):1074-82. <http://dx.doi.org/10.1080/13696998.2017.1357564>

Stevens W, Shih T, **Incerti D**, Ton TG, Lee H, Peneva D, Macones GA, Sibai BM, Jena AB. 2017. Short-term costs of preeclampsia to the United States health care system. *American Journal of Obstetrics & Gynecology*. 2017 Sep 1;217(3):237-48. <http://dx.doi.org/10.1016/j.ajog.2017.04.032>

Shahabi A, Peneva D, **Incerti D**, McLaurin K, Stevens W. Assessing Variation in the Cost of Palivizumab for Respiratory Syncytial Virus Prevention in Preterm Infants. *Pharmacoeconomics-Open*. 2017:1-9. <https://doi.org/10.1007/s41669-017-0042-3>

Jansen JP, **Incerti D**, Mutebi A, Peneva, D, MacEwan JP, Stolshek B, Kaur P, Gharaibeh M, Strand V. Cost-effectiveness of sequenced treatment of rheumatoid arthritis with targeted immune modulators. *Journal of Medical Economics*. 2017 Jul 3;20(7):703-14. <http://dx.doi.org/10.1080/13696998.2017.1307205> (Supplement).

## Manuscripts Under Review

**Incerti, D.** The Optimal Allocation of Campaign Funds in House Elections. ([PDF](#), [GitHub](#)).

Ton TG, Bennett M, **Incerti D**, Peneva D, Druzin M, Stevens W, Butwick A, Lee HC. Maternal and infant adverse outcomes associated with preeclampsia with and without severe features in the United States.

**Incerti D**, Summers N, Ton TG, Boscoe A, Chandraker A, Stevens W. The Lifetime Health Burden of Delayed Graft Function in Kidney Transplant Recipients in the United States.

**Incerti D**, Browne J, Huber C, Baker CL, Makinson G, Goren A, Wilke R, Stevens W. An empirical tool for estimating and categorizing unmet need.

## Working Papers

**Incerti D.** An Assessment of Long-term Healthcare Expenditure Risk Using a Dynamic Bayesian Model. ([PDF](#), [fake-data simulation](#)).

**Incerti D.** Racial, Ethnic and Educational Disparities in Pharmaceutical Expenditures. ([PDF](#)).

**Incerti D.** Political Instability and Financial Markets. ([PDF](#), [GitHub](#)).

## Blog Posts

Jansen JP, **Incerti D**, Linthicum M. [An Open-Source Consensus-Based Approach To Value Assessment](#). Health Affairs Blog. 2017 Dec 1.

## Abstracts and Presentations

Incerti D, Curtis JR, Lorenzi M, **Jansen JP**. Exploring Structural Uncertainty With An Open-Source Cost-Effectiveness Model For Rheumatoid Arthritis. ISPOR Annual European Congress, Glasgow, Scotland, 2017. <http://dx.doi.org/10.1016/j.jval.2017.08.2098>

Incerti D, Peneva D, Shrestha A, Ramaswamy K, **Smith G**, Stevens W. An Empirical Analysis of the Role of Learning by Doing in Dynamic Cost-effectiveness. ISPOR Annual European Congress, Glasgow, Scotland, 2017. <http://dx.doi.org/10.1016/j.jval.2017.08.215>

**Incerti D**, Curtis JR, Lorenzi M, Jansen JP. Open-Source Consensus-Based Models to Improve the Cost-Effectiveness of Rheumatology Care. ACR/ARHP Annual Meeting, Annual Meeting, San Diego, 2017.

**Jansen JP**, Jeffers A, Chang K, Incerti D. An Outcomes Regression Approach for Indirect Comparisons of Survival Outcomes when Standard Network Meta-Analysis is Not Feasible. ISPOR Annual International Meeting, Boston, 2017.

**Wan J**, Mongan J, Incerti D, Courtier J. A Shiny New World: Creating Your Own Radiology Decision Support Webapps Using R. Radiological Society of North America, Annual Meeting, Chicago, 2016.

Stevens W, Shih T, **Incerti D**. Estimates of costs of preeclampsia to the United States health care system. March of Dimes Prematurity Research Center at Stanford University, Palo Alto, 2016.

**Shiraito Y**, Incerti, D, Lopez-Moctezuma G. A Reassessment of the Resource Curse: A Bayesian Dynamic Analysis of Panel Data. Midwest Political Science Association, Annual Meeting, Chicago, 2013.

## Software

**Incerti D**, Jansen JP. The IVI-RA model: an open-source simulation model for assessing the value of disease-modifying anti-rheumatic drugs (DMARDs) to treat rheumatoid arthritis. ([GitHub](#))

- [iviRA R package](#): an R package for running the IVI-RA model.
- [IVI-RA Model Interface](#): an R Shiny web interface providing full control over the treatments, the patient population, model parameters, model structures, and time horizon.
- [IVI-RA Value Tool](#): a more streamlined R Shiny web application for users with less experience in decision-analytic modeling and rheumatoid arthritis.

**Incerti D**. *hesim*: an R package for fast health-economic simulation modeling. ([website](#)).

**Incerti D**. An R Shiny web application that aids diagnosis of skeletal dysplasias based on clinical features. ([link](#)).

**Incerti D**. Interactive plots of parametric survival distributions. ([link](#)).

## Honors and Awards

**2010-15**    *Centennial Fellowship*, Princeton University

**2009**        *The Award for Excellence in Joint Mathematics-Economics* granted to the most outstanding graduating Senior in Joint Mathematics-Economics, UCSD Department of Economics

**2009**        *DeWitt Higgs Award* granted to the outstanding graduating Senior in the area of law and public policy, UCSD Department of Political Science

**2009**        *Michael Addison Award* for the most outstanding Senior research paper, Warren College (graduating class of 950 students)

## Skills and Interests

### *Computing*

Most experienced: R, Stata, LaTeX, Excel

Some experience: C++, Python, MySQL, Stan, JAGS

### *Athletics*

UCSD Varsity Baseball Letterman, shortstop and centerfield, 2004 – 2006