



## Fernando Alarid-Escudero

Assistant Professor of Health Policy

 Curriculum Vitae available Online

### Bio

---

#### BIO

Fernando Alarid-Escudero, Ph.D., is an Assistant Professor of Health Policy at Stanford University School of Medicine. He is a decision scientist specializing in disease simulation, decision-analytic modeling, and cost-effectiveness analysis to inform health policy questions that cannot be readily answered through clinical studies alone. He has also developed novel methods to quantify the value of future research and calibrate simulation models using emulator-based Bayesian methods. Dr. Alarid-Escudero is a member of three cancers (colorectal [CRC], bladder, and gastric) of the Cancer Intervention and Surveillance Modeling Network (CISNET) consortium, a group of investigators sponsored by the National Cancer Institute in the U.S. that uses simulation modeling to evaluate the impact of cancer control interventions (e.g., prevention, screening, and treatment) on population trends in incidence and mortality. Dr. Alarid-Escudero co-founded the Decision Analysis in R for Technologies in Health (DARTH) workgroup (<http://darthworkgroup.com>) and the Collaborative Network on Value of Information (ConVOI; <https://www.convoi-group.org>), international and multi-institutional collaborative efforts that develop transparent and open-source solutions to implement decision analysis and quantify the value of potential future investigation for health policy analysis.

#### ACADEMIC APPOINTMENTS

- Assistant Professor, Health Policy
- Member, Bio-X

#### HONORS AND AWARDS

- Rosenkranz Prize Winner, Stanford Health Policy (2025)
- Early Career Investigator, JNCI: Journal of the National Cancer Institute (2024)
- Visiting Research Fellow, Centre for Health Economics, University of York (2023)
- Best poster presentation from a junior investigator at the 2023 CISNET annual meeting, Cancer Intervention and Surveillance Modeling Network (CISNET), National Cancer Institute (NCI) (2023)
- Doctoral Dean's Scholarship, University of Minnesota School of Public Health (2012)
- Fulbright-Garcia Robles Doctoral Fellowship, Fulbright (2012-2014)
- SMDM Lee B. Lusted Student Prize in Quantitative Methods and Theoretical Developments, Society for Medical Decision Making (SMDM) (2014)
- SMDM Lee B. Lusted Student Prize in Quantitative Methods and Theoretical Developments, Society for Medical Decision Making (SMDM) (2015)
- Best Presentation at School of Public Health's Research Day, University of Minnesota School of Public Health (2016)
- SMDM Lee B. Lusted Student Prize for Outstanding Student Research (Europe), Society for Medical Decision Making (SMDM) (2016)
- University of Minnesota Doctoral Dissertation Fellowship, University of Minnesota Graduate School (2016)
- Delta Omega Member, Honorary Society in Public Health, Pi Chapter (2017)

- Best short course “Hands-on Model Calibration in R” at the 2018 SMDM North American Meeting, Society for Medical Decision Making (SMDM) (2019)
- Mexican National System of Researchers (SNI) Level I, Mexico’s National Council of Science and Technology (CONACyT) (2019-2021)
- COVID-19 Decision Modeling Initiative (CDMI) Leader, Society for Medical Decision Making (SMDM) (2020)
- Mexican National System of Researchers (SNI) Level II, Mexico’s National Council of Science and Technology (CONACyT) (2022-2025)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board Member, Medical Decision Making (MDM) journals (Medical Decision Making and MDM Policy & Practice) (2021 - present)
- Member, Society for Medical Decision Making (SMDM) (2013 - present)
- Trustee, Society for Medical Decision Making (SMDM) (2018 - 2021)

## PROFESSIONAL EDUCATION

- Ph.D., University of Minnesota School of Public Health , Decision Sciences (2017)
- M. Econ., Center for Research and Teaching in Economics (CIDE), Mexico , Economics (2009)
- B.Sc., Metropolitan Autonomous University (UAM) - Iztapalapa, Mexico , Biomedical Engineering (2006)

## LINKS

- Decision Analysis in R for Technologies in Health (DARTH): <https://darthworkgroup.com>

## Teaching

---

### COURSES

#### 2025-26

- Advanced Decision Science Methods and Modeling in Health: HRP 263 (Win)
- Health Policy PhD Seminar: HRP 200 (Win)

#### 2024-25

- Advanced Decision Science Methods and Modeling in Health: HRP 263 (Win)
- Health Policy PhD Seminar: HRP 200 (Win)

### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Melissa Franco-Galicia, Gary Qian

#### Postdoctoral Faculty Sponsor

Mauricio Lopez Mendez

#### Doctoral Dissertation Advisor (AC)

Selina Pi

## Publications

---

### PUBLICATIONS

- **Cost-effectiveness of fecal immunochemical testing for colorectal cancer in Mexico City: A microsimulation modeling study.** *Journal of medical screening*  
Seguin, C. L., Luviano, A., Kuntz, K. M., Lajous, M., Meneses Medina, M. I., Huitzil Meléndez, F. D., Manzano-Robleda, M. D., Remes-Troche, J. M., Villanueva-Herrero, J. A., Lozano Esparza, S., Lietz, A. P., Eckel, A. L., Alarid-Escudero, et al  
2026: 9691413261443051

- **A Tutorial on Discrete Event Simulation Models Using a Cost-Effectiveness Analysis Example in R.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Lopez-Mendez, M., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
2026: 272989X261437826
- **A Microsimulation-Based Approach for Mitigating Societal Bias in Chronic Kidney Disease Data.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Foryciarz, A., Alarid-Escudero, F., Basel, G., Cusick, M. M., Phillips, R. L., Bazemore, A., Adams, A. S., Rose, S.  
2026: 272989X261432162
- **PRE-CISE: A PRE-calibration Coverage, Identifiability, and SENSitivity analysis workflow to streamline model calibration.** *medRxiv : the preprint server for health sciences*  
Gracia, V., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
2026
- **The best screening test is the one that gets followed up on.** *Gastroenterology*  
van den Berg, D. M., Brück, C. C., Nascimento de Lima, P., Alarid-Escudero, F., Hahn, A. I., Lansdorp-Vogelaar, I.  
2026
- **A Novel Decision-Modeling Framework for Health Policy Analyses When Outcomes Are Influenced by Social and Disease Processes.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Cusick, M. M., Alarid-Escudero, F., Goldhaber-Fiebert, J. D., Rose, S.  
2026: 272989X251408817
- **Discrete-Event Simulation Modeling Framework for Cancer Interventions and Population Health in R (DESCIPHR): An Open-Source Pipeline.** *PharmacoEconomics*  
Pi, S., Rutter, C. M., Pineda-Antunez, C., Chen, J. H., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
2026
- **Bladder Cancer Burden in the USA: Population Scenarios for 2040.** *European urology open science*  
Jalal, H., Kang, S. K., Alarid-Escudero, F., Chrysanthopoulou, S. A., Garibay-Trevino, D. U., Jacobs, B. L., Kuntz, K. M., Kumar, P., Popp, J. H., Sereda, Y., Siriruchatanon, M., Wong, J. B., Trikalinos, et al  
2026; 83: 99-108
- **The cost of non-drug interventions that improve function and reduce dementia-related behaviors.** *BMC geriatrics*  
Jutkowitz, E., Pizzi, L. T., Shewmaker, P., Alarid-Escudero, F., Epstein-Lubow, G., Gaugler, J. E., Gitlin, L. N.  
2025
- **Public-health impact of increasing human papillomavirus vaccination and cervical cancer screening.** *Journal of the National Cancer Institute*  
Zhao, R., Kulasingam, S., Alarid-Escudero, F., Minihan, A. K., Nones, M., de Kok, I. M., Hontelez, J. A., de Bondt, D. D., Bandi, P., Saslow, D., Jemal, A.  
2025
- **Accurate uncertainty quantification in Bayesian calibration accounting for correlated targets**  
Roa, J., Gracia, V., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
SAGE PUBLICATIONS INC.2025
- **Modeling Colorectal Cancer Screening Uptake from Repeated Cross-sectional Data: First Steps Towards a Screening Simulator**  
Pi, S., Knudsen, A. B., Kuntz, K. M., Alarid-Escudero, F.  
SAGE PUBLICATIONS INC.2025
- **Correcting Systematic Bias in Value-of-Information Analyses Due to Monte Carlo Errors in Microsimulation Models**  
Qian, G. L., Alarid-Escudero, F., Jalal, H., Goldhaber-Fiebert, J. D.  
SAGE PUBLICATIONS INC.2025
- **Long-term trends in bladder cancer incidence using a harmonized staging variable - A SEER-based study.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*  
Kumar, P., Ruhl, J., Chiddarwar, T. V., Garibay-Treviño, D. U., Chowdhury, K. R., Osei, P. P., Alarid-Escudero, F., Jacobs, B. L., Kuntz, K. M., Jalal, H.  
2025

- **A WEB-BASED APPLICATION TO AUTOMATE THE DEVELOPMENT OF STATE-TRANSITION MODELS IN ONCOLOGY USING PUBLISHED SURVIVAL CURVES AND BAYESIAN CALIBRATION**  
Trevino, D., Moskalewicz, A., Brillian, M., Zhang, Q., Kauffmann, M., Krijkamp, E., Alarid-Escudero, F., Jalal, H., Enns, E., Pechlivanoglou, P.  
ELSEVIER SCIENCE INC.2025: S300-S301
- **Benefits of colorectal cancer screening using FIT with varying positivity thresholds by age and sex.** *Journal of the National Cancer Institute*  
Harlass, M., Knudsen, A. B., Nieboer, D., van Duuren, L. A., Kuntz, K. M., Rutter, C. M., Nascimento de Lima, P., Collier, N., Ozik, J., Hahn, A. I., Alarid-Escudero, F., Zauber, A. G., Inadomi, et al  
2025
- **Cost and Cost-Effectiveness of Treating Human Epidermal Growth Factor Receptor 2-Low Metastatic Breast Cancer.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Dickerson, J. C., Moen, M. T., Nielsen, P., Riaz, F., Tran, E., Caswell-Jin, J. L., Suen, W., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
2025: JCO2401960
- **Calculating epidemiological outcomes from simulated longitudinal data.** *medRxiv : the preprint server for health sciences*  
Pi, S., Goldhaber-Fiebert, J. D., Alarid-Escudero, F.  
2025
- **Cost-effectiveness of enfortumab vedotin and pembrolizumab for first-line metastatic urothelial cancer in the United States.** *Value in health : the journal of the International Society for Pharmacoeconomics and Outcomes Research*  
Chiddarwar, T. V., Jalal, H., Alarid-Escudero, F., Garibay, D., Kumar, P., Chowdhury, K. R., Jacobs, B. L., Mathew, P., Wong, J. B., Kuntz, K. M.  
2025
- **Cost-Effectiveness of Using Conditional Economic Incentives to Improve Pre-exposure Prophylaxis Adherence Among Male Sex Workers.** *PharmacoEconomics - open*  
Chivardi, C., Zamudio-Sosa, A., Wilson-Barthes, M., Alarid-Escudero, F., Gandhi, M., Mayer, K. H., Operario, D., Galárraga, O.  
2025
- **Utility Values of Health Status in Gastric Cancer: A Systematic Review.** *Value in health regional issues*  
Gonzalez, C., Espinoza, M., Libuy, M., Crispi, F., Riquelme, A., Alarid-Escudero, F., Latorre, G., Pizarro, M., Cuadrado, C.  
2025; 46: 101063
- **A Fast Nonparametric Sampling Method for Time to Event in Individual-Level Simulation Models.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Garibay-Trevino, D. U., Jalal, H., Alarid-Escudero, F.  
2025: 272989X241308768
- **Helicobacter pylori infection in the United States beyond NHANES: a scoping review of seroprevalence estimates by racial and ethnic groups** *LANCET REGIONAL HEALTH-AMERICAS*  
McMahon, M. V., Taylor, C. S., Ward, Z. J., Alarid-Escudero, F., Camargo, M., Laszkowska, M., Roa, J., Yeh, J. M.  
2025; 41
- **Birth cohort and age-specific trends in global Helicobacter pylori seroprevalence: a scoping review.** *Lancet regional health. Americas*  
Taylor, C. S., McMahon, M. V., Ward, Z. J., Alarid-Escudero, F., Camargo, M. C., Laszkowska, M., Roa, J., Yeh, J. M.  
2025; 41: 100877
- **Helicobacter pylori infection in the United States beyond NHANES: a scoping review of seroprevalence estimates by racial and ethnic groups.** *Lancet regional health. Americas*  
McMahon, M. V., Taylor, C. S., Ward, Z. J., Alarid-Escudero, F., Camargo, M. C., Laszkowska, M., Roa, J., Yeh, J. M.  
2025; 41: 100890
- **Birth cohort and age-specific trends in global Helicobacter pylori seroprevalence: a scoping review** *LANCET REGIONAL HEALTH-AMERICAS*  
Taylor, C. S., McMahon, M., Ward, Z. J., Alarid-Escudero, F., Camargo, M., Laszkowska, M., Roa, J., Yeh, J. M.  
2025; 41
- **Microsimulation Estimates of Decision Uncertainty and Value of Information Are Biased but Consistent.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Goldhaber-Fiebert, J. D., Jalal, H., Alarid-Escudero, F.  
2024: 272989X241305414

- **State-level disparities in cervical cancer prevention and outcomes in the U.S.: a modeling study.** *Journal of the National Cancer Institute*  
Alarid-Escudero, F., Gracia, V., Wolf, M., Zhao, R., Easterly, C. W., Kim, J. J., Canfell, K., de Kok, I. M., Barnabas, R. V., Kulasingam, S.  
2024
- **Primary HPV screening compared with other cervical cancer screening strategies in women with HIV: a cost-effectiveness study.** *AIDS (London, England)*  
Zhao, R., Sanstead, E., Alarid-Escudero, F., Huchko, M., Silverberg, M., Smith-Mccune, K., Gregorich, S. E., Leyden, W., Kuppermann, M., Sawaya, G. F., Kulasingam, S.  
2024
- **Incentivizing adherence to pre-exposure prophylaxis for HIV prevention: a randomized pilot trial among male sex workers in Mexico.** *The European journal of health economics : HEPAC : health economics in prevention and care*  
Galárraga, O., Wilson-Barthes, M., Chivardi, C., Gras-Allain, N., Alarid-Escudero, F., Gandhi, M., Mayer, K. H., Operario, D.  
2024
- **Effectiveness and Cost-Effectiveness of Colorectal Cancer Screening With a Blood Test That Meets the Centers for Medicare & Medicaid Services Coverage Decision** *GASTROENTEROLOGY*  
van den Puttelaar, R., de Lima, P., Knudsen, A. B., Rutter, C. M., Kuntz, K. M., de Jonge, L., Escudero, F., Lieberman, D., Zauber, A. G., Hahn, A., Inadomi, J. M., Lansdorp-Vogelaar, I.  
2024; 167 (2): 368-377
- **Emulator-Based Bayesian Calibration of the CISNET Colorectal Cancer Models.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Pineda-Antunez, C., Seguin, C., van Duuren, L. A., Knudsen, A. B., Davidi, B., Nascimento de Lima, P., Rutter, C., Kuntz, K. M., Lansdorp-Vogelaar, I., Collier, N., Ozik, J., Alarid-Escudero, F.  
2024: 272989X241255618
- **Characteristics of a cost-effective blood test for colorectal cancer screening.** *Journal of the National Cancer Institute*  
Nascimento De Lima, P., Van Den Puttelaar, R., Knudsen, A. B., Hahn, A. I., Kuntz, K. M., Ozik, J., Collier, N., Alarid-Escudero, F., Zauber, A. G., Inadomi, J. M., Lansdorp-Vogelaar, I., Rutter, C. M.  
2024
- **Using Age-Specific Rates for Parametric Survival Function Estimation in Simulation Models.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Arrospide, A., Ibarroondo, O., Blasco-Aguado, R., Larranaga, I., Alarid-Escudero, F., Mar, J.  
2024: 272989X241232967
- **Effects of Mitigation and Control Policies in Realistic Epidemic Models Accounting for Household Transmission Dynamics.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Alarid-Escudero, F., Andrews, J. R., Goldhaber-Fiebert, J. D.  
2023: 272989X231205565
- **Approaches to developing de novo cancer population models to examine questions about cancer and race in bladder, gastric, and endometrial cancer and multiple myeloma: the Cancer Intervention and Surveillance Modeling Network incubator program.** *Journal of the National Cancer Institute. Monographs*  
Sereda, Y., Alarid-Escudero, F., Bickell, N. A., Chang, S. H., Colditz, G. A., Hur, C., Jalal, H., Myers, E. R., Layne, T. M., Wang, S. Y., Yeh, J. M., Trikalinos, T. A.  
2023; 2023 (62): 219-230
- **NordICC Trial Results in Line With Expected Colorectal Cancer Mortality Reduction After Colonoscopy: A Modeling Study** *GASTROENTEROLOGY*  
Berg, D., de Lima, P., Knudsen, A., Rutter, C., Weinberg, D., Lansdorp-vogelaar, I.  
2023; 165 (4): 1077-1079.e2
- **Breastfeeding is associated with the intelligence of school-age children in Mexico.** *Maternal & child nutrition*  
Pena-Ruiz, L. S., Unar-Munguia, M., Colchero, M. A., Alarid-Escudero, F., Perez-Escamilla, R.  
2023: e13534
- **Cost effectiveness of non-drug interventions that reduce nursing home admissions for people living with dementia.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*  
Jutkowitz, E., Pizzi, L. T., Shewmaker, P., Alarid-Escudero, F., Epstein-Lubow, G., Prioli, K. M., Gaugler, J. E., Gitlin, L. N.

2023

- **A Tutorial on Time-Dependent Cohort State-Transition Models in R Using a Cost-Effectiveness Analysis Example.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Alarid-Escudero, F., Krijkamp, E., Enns, E. A., Yang, A., Hunink, M. G., Pechlivanoglou, P., Jalal, H.  
2022: 272989X221121747
- **Dynamics of Respiratory Infectious Diseases in Incarcerated and Free-Living Populations: A Simulation Modeling Study.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Weyant, C., Lee, S., Andrews, J. R., Alarid-Escudero, F., Goldhaber-Fiebert, J. D.  
2022: 272989X221115364
- **An Introductory Tutorial on Cohort State-Transition Models in R Using a Cost-Effectiveness Analysis Example** *MEDICAL DECISION MAKING*  
Alarid-Escudero, F., Krijkamp, E., Enns, E. A., Yang, A., Hunink, M., Pechlivanoglou, P., Jalal, H.  
2022: 272989X221103163
- **Methods for Communicating the Impact of Parameter Uncertainty in a Multiple-Strategies Cost-Effectiveness Comparison** *MEDICAL DECISION MAKING*  
Wolff, H. B., Qendri, V., Kunst, N., Alarid-Escudero, F., Coupe, V. M. H.  
2022: 272989X221100112
- **Characterization and Valuation of the Uncertainty of Calibrated Parameters in Microsimulation Decision Models** *FRONTIERS IN PHYSIOLOGY*  
Alarid-Escudero, F., Knudsen, A. B., Ozik, J., Collier, N., Kuntz, K. M.  
2022; 13: 780917
- **CDX2 Biomarker Testing and Adjuvant Therapy for Stage II Colon Cancer: An Exploratory Cost-Effectiveness Analysis** *VALUE IN HEALTH*  
Alarid-Escudero, F., Schrag, D., Kuntz, K. M.  
2022; 25 (3): 409-418
- **Effectiveness of COVID-19 vaccines among incarcerated people in California state prisons: retrospective cohort study.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Chin, E. T., Leidner, D., Zhang, Y., Long, E., Prince, L., Schrag, S. J., Verani, J. R., Wiegand, R. E., Alarid-Escudero, F., Goldhaber-Fiebert, J. D., Studdert, D. M., Andrews, J. R., Salomon, et al  
2022
- **Retention in Care, Mortality, Loss-to-Follow-Up, and Viral Suppression among Antiretroviral Treatment-Naive and Experienced Persons Participating in a Nationally Representative HIV Pre-Treatment Drug Resistance Survey in Mexico** *PATHOGENS*  
Caro-Vega, Y., Alarid-Escudero, F., Enns, E. A., Sosa-Rubi, S., Chivardi, C., Pineirua-Menendez, A., Garcia-Morales, C., Reyes-Teran, G., Sierra-Madero, J. G., avila-Rios, S.  
2021; 10 (12)
- **Effectiveness of COVID-19 Vaccines among Incarcerated People in California State Prisons: A Retrospective Cohort Study.** *medRxiv : the preprint server for health sciences*  
Chin, E. T., Leidner, D., Zhang, Y., Long, E., Prince, L., Schrag, S. J., Verani, J. R., Wiegand, R. E., Alarid-Escudero, F., Goldhaber-Fiebert, J. D., Studdert, D. M., Andrews, J. R., Salomon, et al  
2021
- **Age-specific rates of onset of cannabis use in Mexico** *ADDICTIVE BEHAVIORS*  
Lopez-Mendez, M., Ospina-Escobar, A., Iskandar, R., Alarid-Escudero, F.  
2021; 122: 107038
- **Prioritizing Research Informing Antibiotic Prophylaxis Guidelines for Knee Arthroplasty Patients** *JDR CLINICAL & TRANSLATIONAL RESEARCH*  
Kuntz, K. M., Alarid-Escudero, F., Swiontkowski, M. F., Skaar, D. D.  
2022; 7 (3): 298-306
- **BayCANN: Streamlining Bayesian Calibration With Artificial Neural Network Metamodeling** *FRONTIERS IN PHYSIOLOGY*  
Jalal, H., Trikalinos, T. A., Alarid-Escudero, F.  
2021; 12: 662314

- **Cost-effectiveness of prevention and early detection of gastric cancer in Western countries** *BEST PRACTICE & RESEARCH CLINICAL GASTROENTEROLOGY*  
Lansdorp-Vogelaar, I., Meester, R. G. S., Laszkowska, M., Alarid Escudero, F., Ward, Z. J., Yeh, J. M.  
2021; 50-51: 101735
- **POLICY COMPARISON OF NON-PHARMACEUTICAL INTERVENTIONS AND RE-OPENING IN MEXICO CITY, MEXICO: USING A NEAR-TERM VALIDATED MODEL TO CONTROL COVID-19 EPIDEMIC PEAKS AND REBOUNDS**  
Gracia Olvera, V., Alarid-Escudero, F., Diaz, H., Luviano, A., Peralta, Y., Cardona Arias, J., Kunst, N., Fernandez, M., Goldhaber-Fiebert, J. D., SCCOSMO Modeling Grp  
SAGE PUBLICATIONS INC.2021: E203-E204
- **A NEW METHOD FOR ESTIMATING THE CASE DETECTION FRACTION OF AN EMERGING EPIDEMIC AND AN APPLICATION TO COVID-19**  
Ryckman, T., Alarid-Escudero, F., Kunst, N., Chin, E., Goldhaber-Fiebert, J. D., SC-COSMO Modeling Consortium  
SAGE PUBLICATIONS INC.2021: E53-E55
- **METHODS FOR CONSTRUCTING SUB-NATIONAL CONTACT MATRICES FOR TRANSMISSION MODELS OF RESPIRATORY VIRUSES LIKE SARS-COV-2 (COVID-19)**  
Reitsmal, M., Alarid-Escudero, F., Andrews, J., Studdert, D., Kunst, N., Claypool, A., Ryckman, T., Goldhaber-Fiebert, J. D., SC-COSMO Modeling Consortium  
SAGE PUBLICATIONS INC.2021: E62-E64
- **POLICY ANALYSIS OF NON-PHARMACEUTICAL INTERVENTIONS AND RE-OPENING IN THE STATE OF HIDALGO, MEXICO**  
Luviano, A., Peralta, Y., Goldhaber-Fiebert, J. D., Medina Rosales, R., Diaz, H., Kunst, N., Bustos-Vazquez, E., Osorio Pina, M., Carmona Ramos, M., Romo Cruz, J., Alarid-Escudero, F., SC-COSMO Modeling Grp  
SAGE PUBLICATIONS INC.2021: E200-E202
- **ACCOUNTING FOR HOUSEHOLD TRANSMISSION DYNAMICS IN REALISTIC EPIDEMIC MODELS**  
Alarid-Escudero, F., Luviano, A., Kunst, N., Peralta, Y., Goldhaber-Fiebert, J. D., SC-COSMO Modeling Grp  
SAGE PUBLICATIONS INC.2021: E234-E236
- **Comparing the Cost-Effectiveness of Innovative Colorectal Cancer Screening Tests** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*  
Peterse, E. F. P., Meester, R. G. S., de Jonge, L., Omidvari, A., Alarid-Escudero, F., Knudsen, A. B., Zauber, A. G., Lansdorp-Vogelaar, I.  
2021; 113 (2): 154-161
- **Covid-19 in the California State Prison System: An Observational Study of Decarceration, Ongoing Risks, and Risk Factors.** *medRxiv : the preprint server for health sciences*  
Chin, E. T., Ryckman, T. n., Prince, L. n., Leidner, D. n., Alarid-Escudero, F. n., Andrews, J. R., Salomon, J. A., Studdert, D. M., Goldhaber-Fiebert, J. D.  
2021
- **Dependence of COVID-19 Policies on End-of-Year Holiday Contacts in Mexico City Metropolitan Area: A Modeling Study.** *MDM policy & practice*  
Alarid-Escudero, F., Gracia, V., Luviano, A., Roa, J., Peralta, Y., Reitsma, M. B., Claypool, A. L., Salomon, J. A., Studdert, D. M., Andrews, J. R., Goldhaber-Fiebert, J. D.  
2021; 6 (2): 23814683211049249
- **Outbreaks of COVID-19 variants in US prisons: a mathematical modelling analysis of vaccination and reopening policies.** *The Lancet. Public health*  
Ryckman, T., Chin, E. T., Prince, L., Leidner, D., Long, E., Studdert, D. M., Salomon, J. A., Alarid-Escudero, F., Andrews, J. R., Goldhaber-Fiebert, J. D.  
2021
- **COVID-19 in the California State Prison System: an Observational Study of Decarceration, Ongoing Risks, and Risk Factors.** *Journal of general internal medicine*  
Chin, E. T., Ryckman, T., Prince, L., Leidner, D., Alarid-Escudero, F., Andrews, J. R., Salomon, J. A., Studdert, D. M., Goldhaber-Fiebert, J. D.  
2021
- **Covid-19 Vaccine Acceptance in California State Prisons.** *The New England journal of medicine*  
Chin, E. T., Leidner, D. n., Ryckman, T. n., Liu, Y. E., Prince, L. n., Alarid-Escudero, F. n., Andrews, J. R., Salomon, J. A., Goldhaber-Fiebert, J. D., Studdert, D. M.

2021

- **Estimating Population-Based Recurrence Rates of Colorectal Cancer over Time in the United States** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*  
Kunst, N., Alarid-Escudero, F., Aas, E., Coupe, V. M. H., Schrag, D., Kuntz, K. M.  
2020; 29 (12): 2710-2718
- **Cost-effectiveness analysis of a multidisciplinary health-care model for patients with type-2 diabetes implemented in the public sector in Mexico: A quasi-experimental, retrospective evaluation** *DIABETES RESEARCH AND CLINICAL PRACTICE*  
Sosa-Rubi, S. G., Contreras-Loya, D., Pedraza-Arizmendi, D., Chivardi-Moreno, C., Alarid-Escudero, F., Lopez-Ridaura, R., Servan-Mori, E., Molina-Cuevas, Casales-Hernandez, G., Espinosa-Lopez, C., Gonzalez-Roldan, J. F., Silva-Tinoco, R., Seiglie, J., et al  
2020; 167: 108336
- **Estimating the Natural History of Cervical Carcinogenesis Using Simulation Models: A CISNET Comparative Analysis** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*  
Burger, E. A., de Kok, I. M., Groene, E., Killen, J., Canfell, K., Kulasingam, S., Kuntz, K. M., Matthijsse, S., Regan, C., Simms, K. T., Smith, M. A., Sy, S., Alarid-Escudero, et al  
2020; 112 (9): 955-963
- **A Summary of the 2020 Gastric Cancer Summit at Stanford University.** *Gastroenterology*  
Huang, R. J., Koh, H., Hwang, J. H., Summit Leaders, Abnet, C. C., Alarid-Escudero, F., Amieva, M. R., Bruce, M. G., Camargo, M. C., Chan, A. T., Choi, I. J., Corvalan, A., Davis, J. L., et al  
2020
- **Discussing Cervical Cancer Screening Options: Outcomes to Guide Conversations Between Patients and Providers.** *MDM policy & practice*  
Holt, H. K., Kulasingam, S., Sanstead, E. C., Alarid-Escudero, F., Smith-McCune, K., Gregorich, S. E., Silverberg, M. J., Huchko, M. J., Kuppermann, M., Sawaya, G. F.  
2020; 5 (2): 2381468320952409
- **A Multidimensional Array Representation of State-Transition Model Dynamics** *MEDICAL DECISION MAKING*  
Krijkamp, E. M., Alarid-Escudero, F., Enns, E. A., Pechlivanoglou, P., Hunink, M., Yang, A., Jalal, H. J.  
2020; 40 (2): 242-248
- **CALCULATING THE EXPECTED VALUE OF SAMPLE INFORMATION IN PRACTICE: CONSIDERATIONS FROM THREE CASE STUDIES**  
Heath, A., Kunst, N. R., Jackson, C., Strong, M., Alarid-Escudero, F., Goldhaber-Fiebert, J. D., Baio, G., Menzies, N. A., Jalal, H.  
SAGE PUBLICATIONS INC.2020: E337-E338
- **How do Covid-19 policy options depend on end-of-year holiday contacts in Mexico City Metropolitan Area? A Modeling Study.** *medRxiv : the preprint server for health sciences*  
Alarid-Escudero, F. n., Gracia, V. n., Luviano, A. n., Peralta, Y. n., Reitsma, M. B., Claypool, A. L., Salomon, J. A., Studdert, D. M., Andrews, J. R., Goldhaber-Fiebert, J. D.  
2020
- **The household secondary attack rate of SARS-CoV-2: A rapid review.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Fung, H. F., Martinez, L. n., Alarid-Escudero, F. n., Salomon, J. A., Studdert, D. M., Andrews, J. R., Goldhaber-Fiebert, J. D.  
2020
- **Computing the Expected Value of Sample Information Efficiently: Practical Guidance and Recommendations for Four Model-Based Methods.** *Value in health : the journal of the International Society for Pharmacoeconomics and Outcomes Research*  
Kunst, N. n., Wilson, E. C., Glynn, D. n., Alarid-Escudero, F. n., Baio, G. n., Brennan, A. n., Fairley, M. n., Goldhaber-Fiebert, J. D., Jackson, C. n., Jalal, H. n., Menzies, N. A., Strong, M. n., Thom, et al  
2020; 23 (6): 734-42
- **Calculating the Expected Value of Sample Information in Practice: Considerations from 3 Case Studies.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Heath, A. n., Kunst, N. n., Jackson, C. n., Strong, M. n., Alarid-Escudero, F. n., Goldhaber-Fiebert, J. D., Baio, G. n., Menzies, N. A., Jalal, H. n.  
2020: 272989X20912402
- **PRACTICAL CONSIDERATIONS FOR THE EFFICIENT COMPUTATION OF THE EXPECTED VALUE OF SAMPLE INFORMATION TO PRIORITIZE RESEARCH IN HEALTH CARE**

Kunst, N. R., Wilson, E. C. F., Alarid-Escudero, F., Baio, G., Brennan, A., Fairley, M., Glynn, D., Goldhaber-Fiebert, J. D., Jackson, C., Jalal, H., Menzies, N. A., Strong, M., Thom, et al  
SAGE PUBLICATIONS INC.2020: E63–E64

- **Potential Bias Associated with Modeling the Effectiveness of Healthcare Interventions in Reducing Mortality Using an Overall Hazard Ratio** *PHARMACOECONOMICS*  
Alarid-Escudero, F., Kuntz, K. M.  
2020; 38 (3): 285-296
- **Midwife-led care and obstetrician-led care for low-risk pregnancies: A cost comparison** *BIRTH-ISSUES IN PERINATAL CARE*  
Attanasio, L. B., Alarid-Escudero, F., Kozhimannil, K. B.  
2020; 47 (1): 57-66
- **A Need for Change! A Coding Framework for Improving Transparency in Decision Modeling** *PHARMACOECONOMICS*  
Alarid-Escudero, F., Krijkamp, E. M., Pechlivanoglou, P., Jalal, H., Kao, S., Yang, A., Enns, E. A.  
2019; 37 (11): 1329-1339
- **A Cost-effectiveness Analysis of Systemic Therapy for Metastatic Hormone-sensitive Prostate Cancer** *EUROPEAN UROLOGY ONCOLOGY*  
Sathianathen, N. J., Alarid-Escudero, F., Kuntz, K. M., Lawrentschuk, N., Bolton, D. M., Murphy, D. G., Kim, S. P., Konety, B. R.  
2019; 2 (6): 649-655
- **A Value of Information Analysis of Research on the 21-Gene Assay for Breast Cancer Management** *VALUE IN HEALTH*  
Kunst, N. R., Alarid-Escudero, F., Paltiel, A., Wang, S.  
2019; 22 (10): 1102-1110
- **Estimated Quality of Life and Economic Outcomes Associated With 12 Cervical Cancer Screening Strategies: A Cost-effectiveness Analysis** *JAMA INTERNAL MEDICINE*  
Sawaya, G. F., Sanstead, E., Alarid-Escudero, F., Smith-McCune, K., Gregorich, S. E., Silverberg, M. J., Leyden, W., Huchko, M. J., Kuppermann, M., Kulasingam, S.  
2019; 179 (7): 867-878
- **The Curve of Optimal Sample Size (COSS): A Graphical Representation of the Optimal Sample Size from a Value of Information Analysis** *PHARMACOECONOMICS*  
Jutkowitz, E., Alarid-Escudero, F., Kuntz, K. M., Jalal, H.  
2019; 37 (7): 871-877
- **Cost-effectiveness Analysis of Active Surveillance Strategies for Men with Low-risk Prostate Cancer**  
Sathianathen, N. J., Konety, B. R., Alarid-Escudero, F., Lawrentschuk, N., Bolton, D. M., Kuntz, K. M.  
ELSEVIER SCIENCE BV.2019: 910-917
- **COMPARING THE COST-EFFECTIVENESS OF NEW COLORECTAL CANCER SCREENING TESTS**  
Peterse, E. F., Meester, R., de Jonge, L., Alarid-Escudero, F., Zauber, A. G., Lansdorp-Vogelaar, I.  
W B SAUNDERS CO-ELSEVIER INC.2019: S21
- **"Time Traveling Is Just Too Dangerous" but Some Methods Are Worth Revisiting: The Advantages of Expected Loss Curves Over Cost-Effectiveness Acceptability Curves and Frontier** *VALUE IN HEALTH*  
Alarid-Escudero, F., Enns, E. A., Kuntz, K. M., Michaud, T. L., Jalal, H.  
2019; 22 (5): 611-618
- **Incorporating Biomarkers into the Primary Prostate Biopsy Setting: A Cost-Effectiveness Analysis** *JOURNAL OF UROLOGY*  
Sathianathen, N. J., Kuntz, K. M., Alarid-Escudero, F., Lawrentschuk, N. L., Bolton, D. M., Murphy, D. G., Weight, C. J., Konety, B. R.  
2018; 200 (6): 1215-1220
- **Nonidentifiability in Model Calibration and Implications for Medical Decision Making** *MEDICAL DECISION MAKING*  
Alarid-Escudero, F., MacLehose, R. F., Peralta, Y., Kuntz, K. M., Enns, E. A.  
2018; 38 (7): 810-821
- **Revisiting assumptions about age-based mixing representations in mathematical models of sexually transmitted infections** *VACCINE*  
Easterly, C. W., Alarid-Escudero, F., Enns, E. A., Kulasingam, S.  
2018; 36 (37): 5572-5579

- **Force of infection of *Helicobacter pylori* in Mexico: evidence from a national survey using a hierarchical Bayesian model (vol 146, pg 961, 2018) *EPIDEMIOLOGY AND INFECTION***  
Alarid-Escudero, F., Enns, E. A., MacLehose, R. F., Parsonnet, J., Torres, J., Kuntz, K. M.  
2018; 146 (8): 1070
- **Force of infection of *Helicobacter pylori* in Mexico: evidence from a national survey using a hierarchical Bayesian model? *EPIDEMIOLOGY AND INFECTION***  
Alarid-Escudero, F., Enns, E. A., MacLehose, R. F., Parsonnet, J., Torres, J., Kuntz, K. M.  
2018; 146 (8): 961-969
- **ACTIVE SURVEILLANCE FOLLOW-UP STRATEGIES: A COST-EFFECTIVENESS ANALYSIS**  
Sathianathen, N., Konety, B., Alarid-Escudero, F., Lawrentschuk, N., Kuntz, K.  
ELSEVIER SCIENCE INC.2018: E209
- **Microsimulation Modeling for Health Decision Sciences Using R: A Tutorial *MEDICAL DECISION MAKING***  
Krijkamp, E. M., Alarid-Escudero, F., Enns, E. A., Jalal, H. J., Hunink, M., Pechlivanoglou, P.  
2018; 38 (3): 400-422
- **A Gaussian Approximation Approach for Value of Information Analysis *MEDICAL DECISION MAKING***  
Jalal, H., Alarid-Escudero, F.  
2018; 38 (2): 174-188
- **Prioritizing Future Research on Allopurinol and Febuxostat for the Management of Gout: Value of Information Analysis *PHARMACOECONOMICS***  
Jutkowitz, E., Alarid-Escudero, F., Choi, H. K., Kuntz, K. M., Jalal, H.  
2017; 35 (10): 1073-1085
- **An Overview of R in Health Decision Sciences *MEDICAL DECISION MAKING***  
Jalal, H., Pechlivanoglou, P., Krijkamp, E., Alarid-Escudero, F., Enns, E., Hunink, M.  
2017; 37 (7): 735-746
- **A KINKED HEALTH INSURANCE MARKET: Employer-Sponsored Insurance under the Cadillac Tax *AMERICAN JOURNAL OF HEALTH ECONOMICS***  
Drake, C., Higuera, L., Alarid-Escudero, F., Feldman, R.  
2017; 3 (4): 455-476
- **Trade-offs Between Efficacy and Cardiac Toxicity of Adjuvant Chemotherapy in Early-Stage Breast Cancer Patients: Do Competing Risks Matter? *BREAST JOURNAL***  
Alarid-Escudero, F., Blaes, A. H., Kuntz, K. M.  
2017; 23 (4): 401-409
- **Modeling the Cost-Effectiveness of Doula Care Associated with Reductions in Preterm Birth and Cesarean Delivery *BIRTH-ISSUES IN PERINATAL CARE***  
Kozhimannil, K. B., Hardeman, R. R., Alarid-Escudero, F., Vogelsang, C. A., Blauer-Peterson, C., Howell, E. A.  
2016; 43 (1): 20-27
- **Cost-benefit analysis: HIV/AIDS prevention in migrants in Central America. *SALUD PUBLICA DE MEXICO***  
Alarid-Escudero, F., Sosa-Rubi, S. G., Fernandez, B., Galarraga, O.  
2013; 55: S23-S30
- **EEG signal register for Brain Computer Interface (BCI) based on steady state visual evoked potential (SSVEP)**  
Alarid-Escudero, F., Solis-Escalante, T., Melgar, E., Valdes-Cristerna, R., Yanez-Suarez, O.  
edited by MullerKarger, C., Wong, S., LaCruz, A.  
SPRINGER-VERLAG BERLIN.2008: 87-90