

DAVID L. CHIN

CURRICULUM VITAE

September 2, 2017

PROFESSIONAL
ADDRESS:

Department of Health Promotion and Policy
School of Public Health and Health Sciences
University of Massachusetts Amherst
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EDUCATION

Ph.D.

University of California, Davis
Epidemiology: Health Services Research and Health Economics
Davis, CA (2013)

B.S.

University of California, Santa Cruz
Biochemistry and Molecular Biology
Santa Cruz, CA (2000)

EMPLOYMENT

Sept 2017

Assistant Professor
Assistant Professor | Department of Health Promotion and Policy
School of Public Health and Health Sciences
University of Massachusetts Amherst | Amherst, MA

2013-2017

Postdoctoral Scholar
Center for Healthcare Policy and Research
University of California | Davis | Sacramento CA

PUBLICATIONS

PEER-REVIEWED MANUSCRIPTS

<http://bit.ly/2fKneJN>

1. **Chin DL**, Bang H, Manickam RN, Romano PS. Rethinking Thirty-Day Hospital Readmissions: Shorter Intervals Might Be Better Indicators Of Quality Of Care. Health Affairs. 2016;35(10):1867-1875. PMID: [27702961](#).
2. Polage CR, Gyorke C, Kennedy M, Leslie J, **Chin DL**, Wang S, Nguyen H, Huang B, Tang YW, Lee L, Kim K, Taylor S, Romano PS, Panacek E, Goodell P, Solnick JV, Cohen SH. Overdiagnosis of *Clostridium difficile* Infection in the Molecular Era, JAMA Intern Med. Sep 8, 2015;1-10. PMID: [26348734](#).
3. **Chin DL**, Wilson MH, Bang H, Romano PS. Comparing Patient Outcomes of Academician-Preceptors, Hospitalist-Preceptors, and Hospitalists on Internal Medicine Services in an Academic Medical Center. Journal of General Internal Medicine. Aug 12, 2014. PMID: [25112461](#).
4. Polage CR, **Chin DL**, Leslie JL, Tang J, Cohen SH, Solnick JV. Outcomes in patients tested for *Clostridium difficile* toxins. Diagnostic Microbiology and Infectious Disease. Dec 2012;74(4): 369-373. PMID: [23009731](#).
5. Armstrong AW, Lin SW, Chambers CJ, Sockolov ME, **Chin DL**. Psoriasis and hypertension severity: results from a case-control study. PloS One. 2011;6(3): e18227. PMID: [21479272](#).
6. Katsumata Y, Ridgway WM, Oriss T, Gu X, **Chin D**, Wu Y, Fertig N, Oury T, Vandersteen D, Clemens P, Camacho CJ, Weinberg A, Ascherman DP. Species-specific immune responses generated by histidyl-tRNA synthetase immunization are associated with muscle and lung inflammation. Journal of Autoimmunity. Sep-Nov 2007;29(2-3): 174-186. PMID: [17826948](#).
7. Advani R, Lum BL, Fisher GA, Halsey J, **Chin DL**, Jacobs CD, Sikic BI. A phase I trial of liposomal doxorubicin, paclitaxel and valspodar (PSC-833), an inhibitor of multidrug resistance. Annals of Oncology: official journal of the European Society for Medical Oncology / ESMO. Dec 2005;16(12): 1968-1973. PMID: [16126736](#).
8. Greenberg PL, Lee SJ, Advani R, Tallman MS, Sikic BI, Letendre L, Dugan K, Lum B, **Chin DL**, Dewald G, Paietta E, Bennett JM, Rowe JM. Mitoxantrone, etoposide, and cytarabine with or without valspodar in patients with relapsed or refractory acute myeloid leukemia and high-risk myelodysplastic syndrome: a phase III trial (E2995). Journal of Clinical Oncology Mar 15 2004;22(6): 1078-1086. PMID: [15020609](#).
9. **Chin DL**, Lum BL, Sikic BI. Rapid determination of PEGylated liposomal doxorubicin and its major metabolite in human plasma by ultraviolet-visible high-performance liquid

chromatography. Journal of Chromatography. B, Analytical technologies in the biomedical and life sciences. Nov 5 2002;779(2): 259-269. PMID: [12361740](#).

MANUSCRIPTS UNDER REVIEW

MANUSCRIPTS IN PREPARATION

1. **Chin DL**, Stewart IJ, Walker, L Janak JC, Howard JT, Sosnov JA, Gundlapalli AV, Mental Health Outcomes of United States Service Members, After a Severe Combat Injury, a psychiatric journal.
2. **Chin DL**, Trask AS, Wilson MH, Johnson VT, Neaves BI, Gojova A, Hogarth MA, Bang H, Romano PS. Repurposing Clinical Decision Support System Data to Measure Prescribing Errors and Physician-level Quality of Care. Under Review, a leading medical informatics journal.
3. **Chin DL**, Beck E, Sandrock CE. The Effects of Early Administration of Botulism Antitoxin in Black Tar Heroin-Using Patients. Under Review, for an infectious diseases journal.
4. **Chin DL**, Johnson VT, Trask AS, Wilson MH, Neaves BI, Bang H, Romano PS. The Association Between ACGME Duty Hour Rules and Prescribing Errors in the Hospital. In preparation for a general medical journal.
5. **Chin DL**, Weyrich MS, Manickam RN, Cox G, Romano PS. A Method to Detect *Serious Reportable Events* in Acute Care Hospitals Using Statewide Administrative Data. In preparation for a health services research journal.
6. **Chin DL**, Weyrich MS, Manickam RN, Romano PS. The Magnitude of *Severe Adverse Event* Underreporting in California and the Consequences of Doing Nothing. In preparation for a leading general medical journal.
7. **Chin DL**, Manickam RN, Weyrich MS, Romano PS. Does Payer Affect the Risk of a Severe Adverse Event in the Hospital? In preparation for a leading general medical journal.
8. **Chin DL**, Weyrich MS, Manickam RN, Romano PS. Unanticipated Barriers in Statewide Public Reporting; Lessons Learned from the California Adverse Event Public Reporting Program; In preparation for a leading health policy journal.

PEER-REVIEWED ABSTRACTS

1. **Chin DL**, Walker L, Janak JC, Howard JT, Sosnov JA, Stewart IJ; Mental Health Outcomes associated with Traumatic Brain Injury among military Service Members, after severe Combat

- injury; Podium Presentation at the Military Health System Research Symposium, Aug 30, 2017, Kissimmee FL. <http://bit.ly/1XBDsIM>
2. **Chin DL**, Bang H, Manickam RN, Romano PS. When Does the Hospital-Attributable Quality Signal Fade?—Empirical Evidence for a Seven-Day Readmission Interval. Podium Presentation, Agency for Healthcare Quality and Research Meeting; Oct 5, 2015, Crystal City, VA. <http://bit.ly/2eU3GmE>
 3. **Chin DL**, Bang H, Manickam RN, Romano PS. When Does the Hospital-Attributable Quality Signal Fade?—Empirical Evidence for a Seven-Day Readmission Interval. Podium Presentation, 21st Annual National Research Services Award Conference; June 13, 2015, Minneapolis, MN. <http://bit.ly/2e99wit>
 4. **Chin DL**, Trask AS, Johnson VT, Wilson MH, Neaves BI, Gojova A, Bang H, Romano PS. Repurposing Decision Support Data to Detect Prescribing Errors—An Application for Quality Measurement. Podium Presentation, 20th Annual National Research Services Award Conference, and Poster Presentation, Electronic Data Methods Stakeholder Symposium-Academy Health Annual Research Meeting; Jun 7, 2014, San Diego, CA. <http://bit.ly/2f3G23h>
 5. **Chin DL**, Gojova A, Trask AS, Hill ML, Romano PS. Repurposed Data to Measure Physician Quality of Care—Can Prescribing Errors Be Detected from Decision Support Systems Data? Poster Presentation at the Electronic Data Methods Stakeholder Symposium- Academy Health Annual Research Meeting; Jun 22, 2013, Baltimore, MD. <http://bit.ly/2fhSmSu>
 6. Polage C, Gyorke C, Kennedy M, Leslie J, **Chin D**, Wang S, Nguyen H, Huang B, Tang Y, Panacek E, Goodell P, Solnick J, Cohen, S. Outcomes in *Clostridium difficile* Patients with Negative Toxin Immunoassay Results. Podium Presentation, IDWeek; Oct 05, 2013, San Francisco, CA.
 7. Polage C, **Chin D**, Leslie J, Tang J, Cohen S, Solnick J. Outcomes in *Clostridium difficile* Toxin Negative/DNA Positive Diarrhea. Podium Presentation, Association for Clinical and Translational Science Annual Meeting; April 27-29, 2011, Washington DC.
 8. Davies S, **Chin DL**. Emergency Preparedness: Can We Achieve Valid Measurement? Podium Presentation, Agency for Healthcare Research and Quality Annual Conference; Sept 28, 2010, Bethesda, MD.
 9. **Chin DL**, Sandrock CE. The Effect of Early vs. Late Antitoxin and Antibiotic Administration in Patients with Black Tar Heroin-Associated Wound Botulism. Podium Presentation, Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC); Sept 12, 2010, Boston, MA.
 10. Armstrong AW, Lin S, Chambers CJ, Sockolov M, **Chin D**. Independent and Significant Association between Psoriasis and Severity of Hypertension. Proceedings of the Journal of

Investigative Dermatology, 2010: 130 (S1), pp S60. Podium Presentation, Annual Meeting of the Society for Investigative Dermatology; May 8, 2010, Atlanta, Georgia.

11. **Chin DL**, Paterniti DA, Sandrock CE, Natale JE, Romano PS. A New Perspective: Institutional Barriers in Preventing Hospital Acquired Infections. Poster Presentation at the Clinical and Translational Science Awards; May 4, 2010, Washington University, St. Louis MO.
12. Lacayo NJ, **Chin DL**, Lum BL, Bernstein M, Weinstein HJ, Arceci RJ, Sikic BI, Dahl GV. Pharmacokinetics of Mitoxantrone in a Phase I Trial of PSC-833 (Valspodar) as an MDR1/P-gp Modulator in Acute Myeloid Leukemia (AML) from the Children's Oncology Group (COG). Poster Presentation, American Society of Clinical Oncology Annual Meeting; May 18-21, 2002, Orlando, FL.
13. Lum BL, **Chin DL**, Fisher GA, Kalafsky G, Smith HT, Halsey J, Hausdorff J, Sikic BI. A Pharmacokinetic (PK) and Pharmacodynamic (PD) of Multiple Dose Oral Valspodar (PSC 833), a P-Glycoprotein Antagonist, Poster Presentation, 93rd Annual Meeting of the American Association for Cancer Research, April 6-10, 2002, San Francisco, CA.
14. Lum BL, **Chin DL**, Cho CD, Advani R, Fisher GA, Halsey J, Yuen A, Sikic BI. The Effect of Oral Valspodar (PSC 833), a Modulator of Multidrug Resistance, on the Pharmacokinetics (PK) of Liposomal Doxorubicin, Poster Presentation, The American Society of Clinical Oncology, May 2001, San Francisco, CA.
15. **Chin DL**, Lum BL, Duran GE, Sikic BI. A Rapid and Sensitive HPLC Assay Method for PEGylated (Polyethylene Glycol) Liposomal Doxorubicin by UV Detection, Poster Presentation at The American Association of Cancer Research Annual Meeting, April 2001, New Orleans, LA.

EDITORIALS AND LETTERS

1. **Chin DL**, Bang H, Romano PS. To the editor (response to "Rethinking Thirty-Day Hospital Readmissions: Shorter Intervals Might Be Better Indicators Of Quality Of Care"). *Health Affairs*, February 2017.
2. **Chin DL**, Romano PS. Time to Rethink Our Approach on Hospital Readmissions, CQ Roll Call, October 4, 2016. <http://bit.ly/2eZ9KYJ>

LIMITED DISTRIBUTION

1. **Chin DL**, Weyrich MS, Manickam RN, Cox G, Hill BC, Romano PS. Final Report: An Analysis of Adverse Events Underreporting in Acute Care Hospitals in California, 2016. Report to the California Department of Public Health, Licensing and Certification. url pending.

FUNDING

RESEARCH GRANTS

2012-2013 Electronic Health Records Research Pilot Award (\$20,000)
Clinical and Translational Science Center (CTSC), UC Davis.
NIH/NCATS: UL1 TR000002 and linked award TL1 TR000133 | PI: Berglund.

FELLOWSHIPS

2013-2015 Postdoctoral Training Fellowship (T32); Quality, Safety, Comparative
Effectiveness Training Program (QSCERT)
Center for Healthcare Policy and Research, UC Davis
AHRQ Grant: T32 HS022236 | PI: Melnikow.

2009-2010 Predoctoral Training Fellowship (T32); Pre-doctoral Clinical Research Training
Program (PC RTP), Clinical Translational Science Center
NIH Grant: TL1 RR024145 | PI: Berglund.

HONORS AND AWARDS

2016 Finalist, The National Institute for Health Care Management (NIHCM)
Foundation, NIHCM Foundation Research Award; Quantifying Post-Acute Care
and Community Factors as Drivers of Hospital Readmission.

2016 Clinical Research Forum; Top 10 Clinical Research Achievement Awards;
Overdiagnosis of *Clostridium difficile* Infection in the Molecular Test Era.

TEACHING

UMASS SCHOOL OF PUBLIC HEALTH AND HEALTH SCIENCES

Introduction to Health Administration and Management Spring 2018
(HPP X90C | Instructor of Record)

Data Science Applications for Healthcare Policy & Management Fall 2017
(HPP 621 | Instructor of Record)

UC DAVIS EXTENSION

Applied Healthcare Statistics Fall 2014, Summer 2015
(HCA 202 | Instructor of Record)

UC DAVIS SCHOOL OF MEDICINE OR PUBLIC HEALTH SCIENCES

Doctoring II, Epidemiology Literature Review (Discussion section leader)	Summer 2015
Clinical Epidemiology and Study Design (Discussion section co-leader)	Summer 2014
Injury Epidemiology (Teaching assistant)	Winter 2009, Winter 2010

INVITED LECTURES

1. Collaborative Research Using EHR to Advance Quality and Outcomes, Veterans Affairs Northern California Healthcare System, Travis Conference Center, Fairfield, CA, June 2012.

MENTORING

GRADUATE AND PROFESSIONAL

Raj N Manickam	2014-present The National Impact of Public Reporting of CABG Outcomes; Developing a Computational Platform to Use Big Data for Health Services Research. Current Position: Graduate Student in Epidemiology, UC Davis.
Habiba Hashimi	2015-2016 (co-mentee with David Cooke) Medical Student Research Fellowship, The Effects of Surgeon and Hospital Volume on Esophagectomy Outcomes. Current Position: Medical Student, UC Davis.

UNDERGRADUATE

Parker Goodell	2010 Student on the Hospital Acquired <i>Clostridium difficile</i> Infection Diarrhea Study. Current Position: Medical Student
Samuel Calvert	2017 Edmondson Fellow Applied Quantum Computing for Healthcare Current Position: Undergraduate Student
Jupinder Parmar	2017 Fellow Applied Quantum Computing for Healthcare Current Position: High School Student

PROFESSIONAL AND SOCIETY MEMBERSHIPS

2013-present AcademyHealth | Member

SERVICE

EDITORIAL (AD-HOC REFEREE)

2014-present Medical Care
2015-present Health Services Research
2016-present British Medical Journal
2017-present Journal of the American Medical Association (JAMA)

UNIVERSITY SERVICE

2009-2013 Representative to the Education Curriculum Committee | Graduate Group in Epidemiology | UC Davis.

CURRENT SUPPORT

2016-2017 Long-term Outcomes After Combat Trauma (PI: Stewart)
U.S. Air Force School of Aerospace Medicine; Oak Ridge Institute for Science and Education.

2016-present The National Impact of Public Reporting of CABG Outcomes, California Coronary Artery Bypass Graft Outcomes Reporting Program (PI: Sadeghi)
Office of Statewide Health Planning and Development.

PRIOR SUPPORT

2015-2016 Center for Health Quality and Innovation (PI: Romano)
UC Office of the President

2015-2016 Medical Failure to Rescue, R01 HS023560 (PI: Silber)
Agency for Healthcare Quality and Research

2011-2015 Adverse Events Reporting, Agreement 10-10251 (PI: Romano)
California Department of Public Health

2010-2014 Athena Breast Health Network (PI: Esserman; UCD PI: Borowski)
Safeway Foundation Award and UC Office of the President

2013 Dean's Office Jumpstart Fund (PI: Nuovo)
Intramural Award from Family and Community Medicine

2011-2012 AB 131 Nurse-to-Patient Ratios, Agreement 09-11543 (PI: Romano)
California Department of Public Health