

## CURRICULUM VITAE

Susan Calcaterra MD, MPH, MS

### 1. Biographical Sketch

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### 2. Education

8/1995-5/1999 University of Michigan  
Ann Arbor, Michigan  
**Bachelor's Degree of Art, Spanish**

8/2000-6/2002 Wayne State University  
Detroit, Michigan  
**Master's Degree of Medical Science**

8/2003-6/2007 Wayne State University  
Detroit, Michigan  
**Doctorate of Medicine**

8/2010-5/2012 University of Colorado School of Public Health  
Aurora, Colorado  
**Master's Degree of Public Health, Epidemiology**

### 3. Training

7/2007-6/2010 University of Colorado Anschutz Medical Campus, School of Medicine  
Aurora, Colorado  
**Internal Medicine Internship and Residency**

8/2010-5/2012 University of Colorado Anschutz Medical Campus, School of Medicine  
Aurora, Colorado  
**Primary Care Research Fellowship**

7/2017 to 6/2018 University of Colorado Anschutz Medical Campus, School of Medicine  
Department of Family Medicine  
Aurora, Colorado  
**Addiction Medicine Fellowship**

### 4. Academic Appointments and Affiliations

9/2012-05/2017 **Assistant Professor of Medicine**  
Department of Medicine, Division of General Internal Medicine  
Affiliate Member of the Department of Medicine, Division of Hospital Medicine  
Affiliate Member of the Department of Psychiatry  
University of Colorado, School of Medicine

Aurora, Colorado

7/2017-6/2018      **Instructor Fellow of Addiction Medicine**, Department of Family Medicine  
University of Colorado, School of Medicine  
Aurora, Colorado

8/2018-              **Assistant Professor of Medicine**, Department of Medicine, Division of General  
Internal Medicine  
University of Colorado, School of Medicine

## 5. Clinical Positions

7/2012-05/2017      **Hospitalist**  
Department of Medicine  
Denver Health Medical Center  
Denver, Colorado

9/2018-              **Director, Addiction Medicine Consult Service**  
University of Colorado Hospital

## 6. Honors/Recognitions/Awards

6/2019                Toby and Mort Mower Visiting Scholar to Ben Gurion University of the Negev, Beer  
Sheva, Israel

10/2018              Appreciation Award for Outstanding Commitment and Leadership.  
SGIM Mountain West Region President.

4/2018                2018 Ruth Fox Scholar Awardee. This award provides a scholarship to attend the 49<sup>th</sup>  
American Society of Addiction Medicine Conference (ASAM).

12/2017              Journal of Hospital Medicine's most highly rated peer reviewer (top 10%) for 2017  
based on timeliness of reviews, thoroughness and constructiveness.

10/2017              Appreciation Award for Outstanding Commitment and Leadership.  
SGIM Mountain West Region Chair.

12/2016              'National Trends in Pharmaceutical Opioid Related Overdose Deaths compared to  
other Substance Related Overdose Deaths: 1999-2009' was one of the five most  
highly cited papers during 2014 and 2015 from the Journal of Drug and Alcohol  
Dependence.

12/2016              'The Hospitalist Perspective on Opioid Prescribing: A Qualitative Analysis' was the  
Editor's pick as the top four social media articles of 2016 from the Journal of Hospital  
Medicine.

9/2014                Outstanding Researcher Award, Denver Health, Division of Hospital Medicine

10/2009              Association for Medical Education and Research in Substance Abuse Travel Award

## 7. Invited Lectures

- 6/19/2019 **University of Colorado, Pharmacy Grand Rounds.** "Clinical Pearls in Addiction Medicine." Aurora, Colorado
- 6/6/2019 **Ben Gurion University of the Negev and the Regional Alcohol & Drug Abuse Research (RADAR) Center.** "Too Much of a Good Thing: When the Medical and Recreational Use of Marijuana becomes a Public Health Crisis." Beer Sheva, Israel.
- 3/5/2019 **University of Colorado, Department of Medicine, Division of Hospital Medicine Grand Rounds.** "Trends in Substance Use among Hospitalized Patients & Opportunities for Improved Outcomes." Aurora, Colorado.
- 02/25/2019 **University of Colorado, Department of Psychiatry, Clinical Liaison Fellow Didactics.** "Pain Management in Opioid Use Disorder." Aurora, Colorado.
- 10/20/2018 **Colorado American College of Physicians (ACP).** "Opioid Best Practices Across the Spectrum of Opioid Use." Aurora, Colorado.
- 5/9/2018 **University of Colorado, Department of Psychiatry Grand Rounds Lecture.** "Cannabis Related Emergency Department Visit and Hospital Encounters in a Safety-Net Hospital." Aurora, Colorado.
- 3/15/2018 **St. Joseph's Hospital and Medical Center, Department of Medicine Grand Rounds Lecture.** "A Primer in Addiction Medicine." Phoenix, AZ.
- 11/2/2017 **Department of Family Medicine, Education and Certification Training.** "Medication Assisted Therapy for Opioid Use Disorder. Buprenorphine Mechanism of Action, Indications for Use and Induction." Aurora, Colorado.
- 4/6/2017 **University of Colorado, Department of Medicine Research and Innovation Conference.** "Opioid Prescribing During Hospitalization and Its Impact on Future Opioid Use". Aurora, Colorado.

## 8. Career Development Activities

- 9/2017- current **Research in Addiction Medicine Scholars Program (RAMS).** The NIDA funded RAMS Program aims to develop skills in addiction medicine research among physicians from ABAM Foundation-accredited addiction medicine fellowship programs or addiction psychiatry fellowship programs across the United States.
- 1/2017-12/2017 **Junior Faculty Mentor Program (JUMP). University of Colorado, of Medicine.** JUMP is a series of integrated workshops designed to give junior faculty members the skills needed to successfully mentor residents or fellows.
- 8/2016-7/2017 **Women's Leadership Training Course, University of Colorado, School of Medicine.** The purpose of this course is to provide leadership training to women faculty at the University of Colorado. This course offers curriculum taught by outstanding leaders from the University faculty. Participants are selected by course leaders and participate in a series of seminars throughout the year.

7/2014-6/2016

**Clinical Faculty Scholars Program, Colorado Clinical and Translational Sciences Institute (CCTSI), University of Colorado.** This two-year program offers guided project development, educational seminars, grant writing classes, and mentorship to help emerging investigators obtain a career development award. In addition, each Faculty Scholar is supported by their department to have 50% of their time protected for the two-year period.

## 9. Membership in Professional Organizations

Society of General Internal Medicine (Member since 2012; Regional Meeting Chair for the Mountain West Region-2016-2017; President for the Mountain West Region 2017-2018)

College on Problems of Drug Dependence (CPDD). Member since 2018.

## 10. Committees, Service Responsibilities and Boards

### National Committee

4/2017 to 4/2018

**Society of Hospital Medicine.** Committee to develop inpatient opioid prescribing guidelines for hospitalized patients with acute pain following an in-depth literature review using the AGREE guidelines. Associated publications listed below.

### Society Appointments

11/2016 to 10/2017

#### **2017 Meeting Chair and President Elect**

Society of General Internal Medicine, Rocky Mountain Region

11/2017 to 10/2018

#### **President**

Society of General Internal Medicine, Rocky Mountain Region

11/2018 -

#### **Outgoing President**

Society of General Internal Medicine, Rocky Mountain Region

### School of Medicine

7/2016-6/2017

**Healthcare Interest Program Mentor.** Denver Health Medical Center  
Mentored an undergraduate student from a disadvantaged background for one year. The main purpose of this program was to give exposure to the health care setting and provide mentorship opportunities for the students. This student was accepted into a Masters of Public Health Program.

### Departmental (Department of General Internal Medicine)

12/2018 to present

**Development of a Multidisciplinary Group to Determine Best Practices for the Treatment of Endocarditis Among Patients Who Inject Drugs.** This multidisciplinary group includes key persons from the departments of social work, nursing, addiction medicine, ethics, palliative care, infectious disease and cardiothoracic surgery to determine treatment plans for high risk patients with injection drug use.

3/2017 to present

**Development of a Buprenorphine and Methadone Recommendation to Treat Opioid Withdrawal in Hospitalized Patients.** This is a recommendation for hospital providers to avoid forced opioid detoxification and treat opioid withdrawal symptoms with an opioid agonist, methadone, at a maximum of 40 mg per day, to prevent symptoms of severe opioid withdrawal, treat patients compassionately and prevent overdose deaths following hospital discharge.

- 2/2017 to present **Inpatient Addiction Medicine Consultation Service.** This project included four in person or telephone interviews with the Director of the inpatient addiction consultation services at Johns Hopkins, UMASS, Boston Medical Center and OHSU as well as extensive research on measures outcomes to assess the impact of such a service on a healthcare system. A formal document with these data was drafted and presented to the Department of Public Health at DHMC for consideration. Our aim is the create an inpatient addiction medicine consultation service to include the psychiatry department, and measure key outcomes, including change in 30-day readmission, emergency department visits, length of hospital stay, provider and patient satisfaction among others.
- 11/3017 to present **Prescription Drug Monitoring Program.** Pilot Implementation and Assessment of OpiSafe on physician desktop, a program designed to pull data from the PDMP and present to providers in a concise and meaningful manner. Outcome measures include physician survey pre/post implementation and change in opioid prescribing pre/post implementation at DHMC primary care clinics.
- 4/2016 **Chronic Opioid Therapy Management Rapid Improvement Event.** Denver Health Medical Center. The focus of the event was to align current practice for managing chronic pain with best practice changes coming from the CDC, CMS and Colorado's Quad Board (Medicine, Nursing, pharmacy and Dentistry)

### 11. Licensure and Board Certification

- 2018 to present Addiction Medicine board certification (active)  
 2017 to present Buprenorphine DATA 2000 License Waivered (active)  
 2010 to present Colorado State Medical License (active)  
 2010 to present Drug Enforcement Agency (DEA) License (active)  
 2010 to present American Board of Internal Medicine certification (active)

### 12. Review and Referee Work

- 2014 to present Peer Reviewer for Journal of Substance Abuse  
 2016 to present Peer Reviewer for Journal of Hospital Medicine  
 2017 to present Peer Reviewer for Drug and Alcohol Dependence  
 2015 to present Substance Use and Mental Health Disorder Workshop Peer reviewer for Society of General Internal Medicine 2015, 2016, 2017 Annual Conference  
 2015 to present Substance Use and Mental Health Disorder Abstract Peer reviewer for Society of General Internal Medicine 2015, 2016, 2017 Annual Conference  
 2016 to present Peer Reviewer for Society of General Internal Medicine, Mountain West Region 2016, 2017 Annual Conference

### 13. Teaching Record

- 2011-2017  
 3-4 times per year [3 month blocks] **Teaching Addiction Medicine Consult Service.** Fellows attend on the addiction medicine consult service 2-3 times yearly for 2-3 months per session.
- 2019-present **Ward Teaching Attending-Denver Health Medical Center.**

3-4 times per year [1 or 2-week blocks]

Attend daily on the general internal medicine wards at Denver Health for two-week blocks rounding with residents, interns, and students as well as preceptees. Perform work/teaching rounds, formal teaching of the team. I typically rank in the top 10 to 15% of teaching attendings that the house staff have encountered

#### 14. Mentees

5/2019-present

2017-2018

2015-2017

**Catherine Callister, MD. Development of a resident Addiction Medicine Curriculum**

**Alyssa Forber, MS. Master's Thesis Review Committee**

**Anne Drabkin MD - Mentored in qualitative methods**

- Under my mentorship, Dr. Drabkin co-authored a manuscript accepted for publication: Calcaterra SL, Drabkin AD, Leslie SE, Doyle R, Koester S, Frank JW, Reich JA, Binswanger IA. The Hospitalist Perspective on Opioid Prescribing: A Qualitative Analysis. *J Hosp Med.* 2016
- Under my mentorship, Dr. Drabkin also had an abstract accepted for presentation at the SGIM 2016 Annual Meeting titled, "Physician Education is Lacking in Inpatient Management of Acute and Chronic Pain"

#### 15. Grant Support

2/2018-

**Colorado Clinical and Translational Sciences Institute 2019 Co-Pilot Award.** This grant aims to assess current barriers to delivering evidence-based opioid use disorder treatment in the hospital setting by conducting focus groups sessions with physicians, social workers, nursing staff, pharmacist at a university hospital and a safety net hospital.

11/2018-

**Upper Payment Limit (UPL) funding from the University of Colorado Medicine (CU Medicine).** "Addiction Treatment for Medically Complicated Patients" to support 1.2 FTE for a hospitalist physician, 1.0 of a licensed clinical social worker/certified addiction counselor and 1.0 of a peer recovery coach to provide addiction treatment for hospitalized patients with substance use disorders. The grant will support at least three years of funding.

9/2017-present

**Research in Addiction Medicine Scholars Program.** Funded by the National Institute on Drug Abuse (NIDA) R25DA033211. The Research in Addiction Medicine Scholars (RAMS) Program aims to develop skills in addiction medicine research among physicians from ABAM Foundation-accredited addiction medicine fellowship programs or addiction psychiatry fellowship programs across the United States. The RAMS Program is intended to make important contributions to the development of the next generation of addiction physician researchers to provide better care for patients with and at risk for addictive diseases.

8/2016-7/2017

**(Completed) Micro Grants Program with University of Colorado Department of Medicine.** This grant funded a quantitative study to examine the impact of the legalization of recreational marijuana use on emergency department visits and hospital admissions to a large, safety-net hospital in Denver, Colorado.

8/2015-7/2016

**(Completed) Small Grants Program with University of Colorado Department of Medicine.** This grant funded a quantitative study to extract and clean data from a large data warehouse to begin the development of a prediction model to identify patients at high risk for chronic opioid use.

- 11/2014-10/2015      **(Completed) Small Grants Program Denver Health Hospital.** This grant funded a qualitative study using interviews with hospitalist physicians to understand factors related to opioid prescribing at the time of hospital discharge.
- 4/2013-3/2014      **(Completed) Small Grants Program Denver Health Hospital.** This grant funded a quantitative study which focused on opioid prescribing at the time of hospital discharge.
- 7/2010-8/2012      **(Completed) National Research Service Award T32HP10006.** This grant funded three studies. Two studies were secondary database analyses of unintentional drug overdose deaths in the United States using the CDC Wonder Database. The third study used previously collected data looking at psychostimulant related deaths in former inmates (PI, 0% FTE).

## 16. Bibliography

### Peer-Reviewed Articles

1. Binswanger IA, Narwaney KJ, Gardner EM, Gabella BA, **Calcaterra SL**, Glanz JM. Development and Evaluation of a Standardized Research Definition for Opioid Overdose Outcomes. *Subst Abus.* 2019. March 15:1-9. DOI: 10.1080/08897077.2018.1546263. [Epub ahead of print]
2. **Calcaterra SL**, Bach P, Chadi A, Chadi N, Kimmel SD, Morford KL, Roy P, Samet JH. Methadone Matters What the United States Can Learn from the Global Effort to Treat Opioid Addiction. In print, *Journal of General Internal Medicine.* DOI: 10.1007/s11606-018-4801-3
3. **Calcaterra SL**, Hopfer CJ, Keniston A, Hull ML. Changes in Healthcare Encounter Rates Possibly Related to Cannabis or Alcohol following Legalization of Recreational Marijuana in a Safety-Net Hospital: An Interrupted Time Series Analysis. *J Addict Med.* 2018 Nov 20 Doi: 10.1097/ADM. Epub ahead of print.
4. Herzig SJ, **Calcaterra SL**, Mosher HJ, Ronan MV, Van Groningen N, Shek L, Loffredo A, Keller M, Jena AB, Nuckols TK. Safe Opioid Prescribing for Acute Non-Cancer Pain in Hospitalized Adults: A Systematic Review of Existing Guidelines. *J Hosp Med.* 2018; 13(4):256-262. PMID: 29624188.
5. Herzig SJ, Mosher HJ, **Calcaterra SL**, Jena AB, Nuckols TK. Improving the Safety of Opioid Use for Acute Non-Cancer Pain in Hospitalized Adults: A Consensus Statement from the Society of Hospital Medicine. *J Hosp Med* 2018; 13(4):263-271. PMID:29624189.
6. **Calcaterra SL**, Severtson SG, Bau GE, Margolin ZR, Bucher-Bartelson B, Green, JL, Dart RC. Trends in Intentional Abuse or Misuse of Benzodiazepines and Opioid Analgesics and the Associated Mortality Reported to Poison Centers across the United States from 2000 to 2014. *Clin Toxicol.* 2018 Nov;56(11):1107-1114. doi: 10.1080/15563650.2018.1457792. Epub 2018 Apr 3. PMID 29609498
7. **Calcaterra SL**, Scarbro S, Hull AD, Binswanger IA, Colborn KL. Prediction of Future Chronic Opioid Use Among Hospitalized Patients. *Journal Gen Med.* 2018;33(6):898-905. PMID: 29404943
8. Glanz JM, Narwaney KJ, Mueller SR, Gardner EM, **Calcaterra SL**, Xu S, Binswanger IA. Prediction Model for Two-Year Risk of Opioid Overdose Among Patients Prescribed Chronic Opioid Therapy. *Journal Gen Med.* Oct;33(10):1646-1653. doi: 10.1007/s11606-017-4288-3. Epub 2018 Jan 29. PMID: 29380216.
9. **Calcaterra SL**, Drabkin AD, Doyle R, Leslie SE, Reich JA, Binswanger IA, Frank JW, Koester S. A Qualitative Study of Hospitalists' Perceptions of Patient Satisfaction Metrics on Pain Management. *Hospital Topics.* 2017. Jan-March;95(1):18-26. PMID: 28362247.
10. Yogo N, Shihadeh K, Young H, **Calcaterra SL**, Knepper BC, Burman WJ, Mehler PS, Jenkins TC. Intervention to Reduce Broad-Spectrum Antibiotics and Treatment Durations Prescribed at the Time of Hospital Discharge: A Novel Stewardship Approach. *Infect Control Hosp Epidemiol.* 2017; 38(5):534-541. PMID: 28260538

11. Kennedy LC, Binswanger IA, Mueller SR, Levy C, Matlock DD, **Calcaterra SL**, Koester S, Frank JW. "Those Conversations in My Experience Don't Go Well": A Qualitative Study of Primary Care Provider Experiences Tapering Long-term Opioid Medications. *Pain Med*. 2017 Nov 4. PMID: 29126138. [Epub ahead of print]
12. Frank JW, Levy C, **Calcaterra SL**, Hoppe JA, Binswanger IA. Naloxone Administration in U.S. Emergency Departments, 2000-2011. *J Med Tox*. 2016;12(2):148-56. PMID: 26621354.
13. **\*Calcaterra SL**, Yamashita TE, Sung-Joon M, Keniston A, Frank JW, Binswanger IA. Opioid Prescribing at Hospital Discharge Contributes to Chronic Opioid Use. *Journal Gen Med*. 2016;31(5):478-85. PMID: 26553336.
14. **\*\*Calcaterra SL**, Drabkin AD, Leslie SE, Doyle R, Koester S, Frank JW, Reich JA, Binswanger IA. The Hospitalist Perspective on Opioid Prescribing: A Qualitative Analysis. *J Hosp Med*. 2016;11(8):536-42. PMID: 27157317.
15. Frank JW, Levy C, Matlock DD, **Calcaterra SL**, Mueller SR, Koester S, Binswanger IA. Patients' Perspectives on Tapering of Chronic Opioid Therapy: A Qualitative Study. *Pain Medicine*. 2016;17(10):1838-1847. PMID: 27207301.
16. Frank JW, Binswanger IA, **Calcaterra SL**, Brenner LA, Levy C. Non-Medical Use of Prescription Pain Medications and Increased Emergency Department Utilization: Results of a National Survey. *Drug Alcohol Depend*. 2015;1:157:150-7. PMID: 26564754
17. Mueller SR, Walley AY, **Calcaterra SL**, Glanz JM, Binswanger IA. A Review of Opioid Overdose Prevention and Naloxone Prescribing: Implications for Translating Community Programming into Clinical Practice. *Subst Abuse*. 2015;36(2):240-53. PMID:25774771
18. **Calcaterra SL**, Keniston A, Blum J, Crume T, Binswanger IA. The Association between Stimulant, Opioid, and Multiple Drug Use on Behavioral Healthcare Utilization in a Safety-Net Health System. *Subst Abuse*. 2015;36(4):407-12. PMID: 25738222
19. **Calcaterra SL**, Beaty B, Mueller SR, Min SJ, Binswanger IA. The association between social stressors and drug use/hazardous drinking among former prison inmates. *J Subst Abuse Treat*. 2014;47(1):41-9. PMID: 24642070
20. **Calcaterra S**, Glanz J, Binswanger IA. National trends in pharmaceutical opioid related overdose deaths compared to other substance related overdose deaths: 1999-2009. *Drug Alcohol Depend*. 2013;131(3): 263-270. PMID: 23294765
21. **Calcaterra S**, Binswanger I. National trends in psychostimulant-related deaths: 1999-2009. *Substance Abuse*. 2012;34:129-136. PMID: 23577906
22. **Calcaterra S**, Blatchford P, Friedmann PD. Binswanger, IA. Psychostimulant-related deaths among former inmates. *J Addict Med*. 2012; 6(2):97-105. PMID: 22134174
23. Bove SE, **Calcaterra SL**, Brooker RM, Huber CM, Guzman RE, Juneau PL, Schrier DJ, Kilgore KS. Weight bearing as a measure of disease progression and efficacy of anti-inflammatory compounds in a model of monosodium iodoacetate-induced osteoarthritis. *Osteoarthritis Cartilage*. 2003;11(11):821-30. PMID: 1460953.

\*Associated editorial: Subramani MS. Capsule Commentary on **Calcaterra et al.**, Opioid Prescribing at Hospital Discharge Contributes to Chronic Opioid Use. *J Gen Intern Med*. 2016 May;31(5):532. doi: 10.1007/s11606-016-3587-4.

\*\*Associated editorial: Herzig, SJ. Opening the black box of inpatient opioid prescribing. *J Hosp Med*. 2016. Aug;11(8):595-6. PMID: 27157070.

#### **Scientific abstracts published or presented at scientific meetings**

##### **Oral Abstracts (competitive)**



1. **Susan Calcaterra MD, MPH**, Angela Keniston MS, Madelyne Hull MPH. Changes in Cannabis Related ED and Hospital Encounters before & after Recreational Marijuana Legalization in one Colorado Hospital. Society of General Internal Medicine, Mountain West Regional Meeting. 2018, Salt Lake City, Utah.
2. **Susan Calcaterra MD, MPH**, Ingrid Binswanger MD, MPH. Opioid Prescribing at Hospital Discharge Contributes to Chronic Opioid Use. Society of General Internal Medicine (SGIM) 38<sup>th</sup> National Meeting, 2015, Toronto, Ontario, Canada.
3. **Susan Calcaterra MD, MPH** Ingrid Binswanger MD, MPH. Comparative Overdose Death Rates between Illicit and Prescribed Substances. Society of General Internal Medicine (SGIM) 35<sup>th</sup> National Meeting, 2012, Orlando, FL.
4. **Susan Calcaterra MD, MPH** Ingrid Binswanger MD, MPH. Comparative Overdose Death Rates between Illicit and Prescribed Substances. Association for Medical Education and Research in Substance Abuse (AMERSA) National Conference, 2012, Washington D.C.
5. **Susan Calcaterra MD**, Ingrid Binswanger MD, MPH. Psychostimulant-Related Deaths as Reported by a Large National Database. Association for Medical Education and Research in Substance Abuse (AMERSA) National Conference. 2011, Washington D.C.
6. **Susan Calcaterra MD**, Wendolyn Gozansky MD, MPH. Case Report: Abdominal Serositis as the Presenting Complaint in SLE. 2010. Colorado ACP Meeting.

#### **Poster Abstracts (competitive)**

1. **Susan L Calcaterra MD, MPH**, Joshua Blum MD, Katie Olson MPH, Coleen Kapsimalis MPH, Maria Butler MPH, Andres Guerrero BS. Assessing the Impact of an Automatic, Web-Based Application Tool to Monitor Opioid and Benzodiazepine Prescribing and Physician Behaviors. Colorado Opioid Safety Summit. January 2018. Denver, Colorado.
2. **Susan Calcaterra MD, MPH**, Anne D. Drabkin MD, Reina Doyle MPH, Sarah E. Leslie MPH, Ingrid A. Binswanger MD, MPH, Joseph W Frank, MD, MPH, Jennifer A. Reich PhD, Steven Koester, PhD. A Qualitative Study of Hospitalists' Perceptions of Patient Satisfaction Metrics on Pain Management. Society of General Internal Medicine (SGIM) 40<sup>th</sup> National Meeting, 2017, Washington DC.
3. **Susan Calcaterra MD, MPH**, S Scarbro MS, Madelyne L. Hull MPH, Ingrid A. Binswanger MD, MPH, Kathryn L. Colborn PhD. Using Machine Learning to Predict Future Chronic Opioid Use among Hospitalized Patients. Society of General Internal Medicine (SGIM) 40<sup>th</sup> National Meeting, 2017, Washington DC.
4. **Susan Calcaterra MD, MPH**, Stevan Severtson PhD, Becki Bucher Bartelson PhD, Gabrielle Bau MPH, Zachary Margolin MPH, Jody Green PhD, Richard Dart MD. Trends in Benzodiazepine and Opioid Analgesic Abuse and Mortality in the United States. Society of General Internal Medicine (SGIM) 39<sup>th</sup> National Meeting, 2016, Hollywood, FL.
5. **Susan L. Calcaterra MD, MPH**, Anne D. Drabkin MD, Sarah E. Leslie MPH, Reina Doyle MPH, Stephen Koester PhD, Joseph W. Frank MD, MPH, Jennifer A. Reich PhD, Ingrid A. Binswanger MD, MPH, The Hospitalist Perspective on Opioid Prescribing: A Qualitative Analysis. Society of General Internal Medicine (SGIM) 39<sup>th</sup> National Meeting, 2016, Hollywood, FL.
6. **Susan Calcaterra MD, MPH** Shane Mueller MSW, Brenda Beaty MPH, Ingrid A. Binswanger MD, MPH. The Role of Social Support in Drug and Alcohol Use among Former Prison Inmates. Association for Medical Education and Research in Substance Abuse (AMERSA), National Conference. 2013, Washington D.C.
7. **Susan Calcaterra MD, MPH** Shane Mueller MSW, Brenda Beaty MPH, Ingrid A. Binswanger MD, MPH. The Role of Social Support in Drug and Alcohol Use among Former Prison Inmates. Society of General Internal Medicine (SGIM) 36<sup>th</sup> National Meeting 2013, Denver, CO.
8. **Susan Calcaterra MD** Ingrid Binswanger MD, MPH. Psychostimulant-Related Deaths as Reported by a Large National Database. Society of General Internal Medicine (SGIM) 34<sup>th</sup> National Meeting 2011, Phoenix, AZ.

9. **Susan Calcaterra MD**, Ingrid Binswanger MD, MPH. S Psychostimulants Involved in Death of Former Inmates. Society of General Internal Medicine (SGIM) 32<sup>nd</sup> National Meeting 2009, Miami, FL.
10. **Susan Calcaterra MS**, Susan Bove MS, Dennis Schrier PhD, Kenneth Kilgore PhD. Characterization of an Acute Pain Model of Osteoarthritis in the Rat Inflammation Research Association, 11<sup>th</sup> National Conference, Bolton, NY, 2002.
11. **Susan Calcaterra MS**, Susan Bove MS, Dennis Schrier PhD, Kenneth Kilgore PhD. Effect of Naproxen and Vioxx in a Rat Model of Osteoarthritis-Associated Pain. Inflammation Research Association, 11<sup>th</sup> National Conference, Bolton, NY, 2002.

#### **In the Press: Popular Media**

1. Providers turning to health IT to combat the opioid crisis. December 26, 2018. <https://www.healthdatamanagement.com/news/providers-turning-to-health-it-to-combat-the-opioid-crisis>
2. Study examines which hospital patients will get opioid prescriptions. March 2, 2018. <https://www.cuanschutztoday.org/cu-anschutz-researchers-use-electronic-health-data-predict-patients-will-use-opioid-medications-long-term-hospitalization/>
3. Denver Health, Hospital Medicine Admissions Blog. Can Buprenorphine Help Hospital-based Providers Treat the Opioid Crisis? October 2017. <http://www.denverhealth.org/for-professionals/clinical-specialties/hospital-medicine/admissions-blog/admissions-article/can-buprenorphine-help-hospital-based-providers-treat-the-opioid-crisis-48121>.
4. The Hospitalist. Hospitalists struggle with opioid epidemic's rising toll. October 2017; 1, 18. [http://www.thehospitalist-digital.com/thehospitalist/october\\_2017/MobilePagedReplica.action?pm=2&folio=14#pg10](http://www.thehospitalist-digital.com/thehospitalist/october_2017/MobilePagedReplica.action?pm=2&folio=14#pg10).
5. Denver Health, Hospital Medicine Admissions Blog. Here's How Hospitals and Physicians Can Help Solve the National Opioid Crisis. August 2017. <http://www.denverhealth.org/for-professionals/clinical-specialties/hospital-medicine/admissions-blog/admissions-article/heree28099s-how-hospitals-and-physicians-can-help-solve-the-national-opioid-crisis-47772>.
6. Today's Hospitalist. Hospitalists weigh in on opioids. November 2016. [http://www.todayshospitalist.com/index.php?b=articles\\_read&cnt=2297](http://www.todayshospitalist.com/index.php?b=articles_read&cnt=2297).
7. Spine Universe. Opioid prescribing: The hospitalist perspective, a qualitative analysis. June 2016. <https://www.spineuniverse.com/professional/news/pain/opioid-prescribing-hospitalist-perspective-qualitative-analysis>.
8. Hospitalist News. The hospitalist perspective on opioid prescribing. June 2016. <http://www.mdedge.com/ehospitalistnews/article/110010/neurology/hospitalist-perspective-opioid-prescribing>.
9. UC Health. Opioids for chronic pain: solutions depend on understanding problems. June 2016. <https://www.uchealth.org/news/opioids-for-chronic-pain-solutions-depend-on-understanding-problems>.
10. Denver's Channel 7 Breaking News ABC. November 2015 Study: Patients five times more prone to chronic opioid use with prescription. <http://www.thedenverchannel.com/thenow/study-patients-five-times-more-prone-to-chronic-opioid-use-with-prescription>.
11. Forbes. Pharma and Healthcare. Should Clinicians Prescribe Opioids To Patients At Hospital Discharge? November 2015. <http://www.forbes.com/sites/cjarlotta/2015/11/20/should-clinicians-prescribe-opioids-to-patients-at-hospital-discharge/#6f4ab7225649>.