**WASHINGTON STATE UNIVERSITY**

**COLLEGE OF NURSING**

**Tracy Klein, PhD, FNP, ARNP, FAANP, FRE, FAAN**

**Associate Professor**

**taklein@wsu.edu**

**I. ACADEMIC AND PROFESSIONAL PREPARATION**

**A. EDUCATION:**

**Institution and Location Degree Date Received Major**

Washington State University PhD 2011 Nursing

Spokane, WA

Portland State University none 2005-2008 Public Policy

Portland, OR

Washington State University post-Masters/FNP 2003 Family NP

Vancouver, WA

OR Health & Sciences University MS/WHCNP 1993 Nursing

Portland, OR

Linfield College BSN 1991 Nursing

Portland, OR

Reed College BA 1985 English

Portland, OR

**B. CERTIFICATION:**

**Type Dates Status**

Family NP (ANCC) 2003-present Active

Women’s Health NP (NCC) 1993-present Active

DEA # 1993-present Active

Medicaid/Medicare OR and WA 2008-present Active

**C. LICENSURE:**

**Type Location Status**

RN/ARNP (Family NP) Washington Active

RN/FNP (Family NP) Oregon Active

**II. PROFESSIONAL ACTIVITIES**

**A. MEMBERSHIP:**

* American Academy of Nurses (Fellow)
* American Academy of Nurse Practitioners (Board of Directors 2014-2020, Fellow, Member)
* ARNP United (Board of Directors (2014-2018, Member)
* Washington State Nurses Association (Member)
* American Association of University Women, WA State Board of Directors (2019-2020), Willapacific Branch (Member)
* National Organization of Nurse Practitioner Faculties (Member)
* National League for Nursing (Member)
* Sigma Theta Tau (Member)

**B. FELLOWSHIP:**

2008-2012 Institute for Regulatory Excellence, Fellow

 Faculty Sponsor: Louise Kaplan, PhD, FNP, FAANP

 NCSBN Mentor: Jill Budden, PhD, Research Associate

 National Council of State Boards of Nursing

**C. ACADEMIC EMPLOYMENT AND AFFILIATION:**

**Date Employed Employer and Location** **Position/Responsibilities**

2014-present OR Health & Sciences University Preceptor, PharmD Teaching Residency Portland, OR Affiliate Faculty, OSU College of Pharmacy

2007-present Washington State University Associate Professor, Nursing

 Vancouver, WA Affiliate Faculty; Public Affairs,

Prevention Science

Clinical Faculty (2007-2009)

2000-present University of Portland Guest Lecturer

 Portland, OR

1994-2012 OR Health & Sciences University Affiliate Faculty, School of Nursing

 Portland, OR Clinical Faculty, School of Medicine

**D. CLINICAL PRACTICE:**

2015-2020 Rose Urgent Care and Family Practice—*Family Nurse Practitioner*

Provision of family practice across the lifespan in Vancouver, WA.

2012-2019Providence Health Systems--*Family Nurse Practitioner*

Provision of immediate care across greater Portland, OR metro area to families across the lifespan.

2008-2013 SW Family Physicians**—***Family Nurse Practitioner*

Provision of full scope family practice in Tigard, OR for patients and families across the lifespan including prenatal, primary and OB care.

2005-2006 Take Care Health Systems**—***Family Nurse Practitioner*

Provision of minor and urgent care to age 24 months to elderly patients in a suburban retail clinic setting in Lake Oswego, OR.

2003-2005 Kartini Clinic—*Family Nurse Practitioner*

Provision of direct patient care to children and adolescents with eating disorders on both inpatient and outpatient basis. Position included admitting privileges and call for practice, as well as weekly hospital rounds. Precepting third year pediatric residents and nurse practitioner students on a weekly basis. Clinical examiner in several on-going research studies to validate eating disorder assessment tool for pediatric population.

2003 The Village Clinic—*Family Nurse Practitioner (relief work)*

Independent provision of direct patient care to families and patients across the lifespan in a private, rural health clinic in Chiloquin, OR.

1998-2001 Oregon Health Division/OHSU—*Faculty Instructor, Breast and Cervical Cancer*

Worked with a management team to design, write, and implement statewide teaching curriculum of clinical breast examination. Instruct and evaluate Nurse Practitioners, Physician Assistants, Physicians, and OHSU residents in the practice of clinical breast examination and breast cancer detection.

1987-2000Planned Parenthood— *Various clinical positions*

* Women’s Health Nurse Practitioner (1993-2000)
* Registered Nurse (1990-1993)
* Clinic Assistant (1987-1989)

1996-1998 Springdale Job Corps—*Women’s Health Nurse Practitioner*

1994-1996 Healthy Start—*Women’s Health Nurse Practitioner and OHSU Clinical Instructor*

1991-1994 Legacy Emanuel Hospital—*Registered Nurse Pediatric Urgent Care*

1991-1998 Multnomah County Health Department—*Registered Nurse Public Health (multiple sites and roles including triage and direct care across the lifespan)*

1991 Reed College—*Registered Nurse*

1990 Los Angeles County/USC Medical Center—*Nursing internship at Women’s Hospital with high-risk labor and delivery and post partum patients*

**E. PROFESSIONAL EMPLOYMENT**

1998-2013Oregon State Board of Nursing--*Operations and Policy Analyst, Advanced Practice.* Responsible for regulatory policy, licensure, and educational oversight for Advanced Practice nurses in the state of Oregon (Nurse Practitioner, Certified Registered Nurse Anesthetists, and Clinical Nurse Specialists). Functions included policy and regulation development as well as program oversight and implementation and expert analysis of law and policy.

* *Chair, Division 50 Rulemaking Committee* (2000-2008)
* *Chair, Division 56 Rulemaking Committee* (2006)
* *Chair, Division 54 Rulemaking Committee* (2000, 2013)
* *Chair, NP and CNS Prescribing Formulary Committee* (1998-2008)

**F. ADVISORY COMMITTEES**

2019-present Oregon Prescription Drug Monitoring Advisory Commission

* Nurse representative, Governor appointment

2019-2020 American Association of University Women, Washington State

* *Board of Directors* (Elected)

2017-2020 American Academy of Nursing

* *Ethics Committee* (Elected)
* *Ethics Panel* (Membership, Director Cannabis Policy Interest Group)

2014-present American Association of Nurse Practitioners

* *Region X Director* (Elected 2014, Re-elected 2016 & 2018)
* *Board Liason, Research Committee* (Appointed 2016-2020)
* *Chair,* Educational Enhancement and Sustainment Committee (Appointed 2020)

2011-2020 Oregon Pharmaceutical and Therapeutics Committee

* *Chair* (2018-2020), Oregon Health Authority appointment
* *Vice Chair* (2011-2017), Governor appointment

2004-2011 Oregon Department of Justice: Attorney General’s Sexual Assault Nurse Examiner Credentials Commission

* *Chair* (2006-2011)
* *Governor appointed member* (2004-2001)
* *Medical Forensics Committee* (2010-2011)

2002-2011 Oregon Health Resources Commission: Practitioner Managed Drug Plan—*Subcommittee member for Standing Update, Estrogens, and PPI Review Committees*

2010-2011 Essential Genetic and Genomic Competencies for Nurses With Graduate Degrees (Greco, Tinley & Soebert, 2011)—*Advisory Committee member and reviewer*

2000-2009 National Council of State Board’s of Nursing Advanced Practice Task Force—*Appointed member, two terms (2000-2001 and 2007-2009)*

2003-2004 Oregon Department of Human Services—*Birth Center Standards Rulemaking Advisory Committee*

2002-present American Academy of Nurse Practitioners—*Regional Leadership Conference*

2002-2004 College of Registered Nurses, British Columbia—*Credentials Review Committee*

2001-2005 American College of Nurse Practitioners—*Public Policy Committee*

* *Chair*, 2004-2005
* *Appointed member*, 2001-2004

**III. SCHOLARLY ACTIVITIES**

**A. RESEARCH, GRANTS and CONTRACTS**

**1. Funded Projects and Grants**

*Rethinking Education on Substance Use with Inter-Professional Education and Collaborative Teams using Medication-Assisted Treatment (RESPECT-MAT).* PI Marion Wilson, PhD. Co-Is Brenda Bray, BPharm, MPH, Connie Remsberg, PharmD, PhD, Barbara Richardson, PhD, DawnElise DeWitt, MD, and **Tracy Klein, PhD.** US Department of HHS, Substance Abuse and Mental Health Services Administration ($199,687). September 2020-September 2022.

*Covid-19 Health Professional Policy Persistence Study.* Co-PIs **Tracy Klein, PhD** and Louise Kaplan, PhD. Washington State University Vancouver mini-grant ($5,000). July 2020-July 2021.

*Washington State University Center for Rural Opioid Prevention, Treatment, and Recovery (CROP-TR).*Co-PIs Michael McDonnell, PhD and Elizabeth Weybright, PhD. Co-Is Brittany Cooper, PhD, **Tracy Klein, PhD**, Liat Kriegel, PhD, Matthew Layton, PhD, Jennifer Leach, Joy Lile, Luis Manriquez, MD, Anamaria Martinez, Sterling McPherson, PhD, Lonnie Nelson, PhD, Janet Purath, PhD, Barbara Richardson, PhD, Gary Varella, Allison White, Wendy Williams-Gilbert, PhD and Marian Wilson, PhD. US Department of HHS, Substance Abuse and Mental Health Services Administration ($1,100,000). September, 2019-September 2021.

*Washington State University Advanced Nursing Practice for Rural Underserved in Eastern Washington (WSU-ANEW2).* PI Janet Purath, PhD. Co-Is **Tracy Klein, PhD**, Louise Kaplan, PhD, Marion Wilson, PhD, Tamara Odom-Maryon, PhD, and Anne Mason, DNP. HRSA Division of Nursing and Public Health ($2,772,188). July 2019- June 2023.

*Rethinking Education on Substance Use through Interprofessional Education and Rural Community Training (RESPECT).* PI Dawnelise Dewitt, MD, Co-Is Brenda Bray, PharmD, **Tracy Klein, PhD,** Matthew Layton, MD, Connie Remsberg, PharmD PhD, Barbara Richardson, PhD and Marian Wilson, PhD. HRSA Bureau of Health Workforce ($1,792,817). July 2019-June 2023.

*Unintentional Marijuana Exposures Among Children: A National Policy Evaluation.* DMAc Grant, State of Washington.PI Janessa Graves, PhD. ($29,149).**Tracy Klein, PhD, Policy Consultant, Co-I.** January 2019-August 2021.

*Hiring, Credentialing, and Privileging Nurse Practitioners as Hospitalists.* **Co-PIs** **Tracy Klein, PhD** and Louise Kaplan, PhD. National Council of State Boards of Nursing Center for Regulatory Excellence ($146,583) February 2019-July 2020.

*Characteristics, Supply and Impact of Expanded Prescriptive Authority for Medication Assisted Therapy****.* PI** **Tracy Klein, PhD**, Co-I Daniel Hartung, MPH, PharmD. Washington State University External Mentors Program ($4,000). November 2018-June 2021.

*Knowledge, Practices and Attitudes Regarding Marijuana for Medical Conditions Among Washington State Healthcare Providers and Certified Medical Marijuana Consultants.* PI Louise Kaplan, PhD. Co-Is **Tracy Klein**, **PhD** and Marian Wilson, PhD. DMAc Grant, State of Washington ($25,000). November 2017-November 2018.

*Washington State University Advanced Nursing Practice for Rural Underserved in Eastern Washington (WSU-ANEW).* PI Janet Purath, PhD. Co-Is **Tracy Klein, PhD**, Louise Kaplan, PhD, Joannne Dotson, PhD, Linda Ward, PhD, Sandy Carollo, PhD, Tamara Odom-Maryon, PhD, Dawn Depriest, DNP and Janet Katz, PhD. HRSA Divison of Nursing and Public Health. ($1,456, 443). July 2017-June 2019.

*Prescribing Practices for Children with ADHD.* **Co*-*PIs** **Tracy Klein, PhD** and Teri Woo, PhD. Fellows of the American Association of Nurse Practitioners ($3,000). June 2017-June 2020.

*Nurse Practitioner Prescribing Standards: College of Registered Nurses of British Columbia.* Contractor **Tracy** **Klein, PhD**, College of Registered Nurses of British Columbia.Development of formulary standards for controlled substance prescribing for NPs in consultation with CRNBC policy staff and pharmacist Parkash Ragsdale, University of British Columbia. ($7,500). September 2016- February 2018.

*The Scope of Inclusion of Academic Medical Center Conflict of Interest Policies.* **PI Tracy Klein PhD**. Washington State University Vancouver mini-grant ($2,480). June 2015-December 2017.

*Nurse Practitioner Assessment and Management of Adolescent Concussion.* **PI Tracy Klein, PhD.** American Nurses Foundation/Western Institute of Nursing ($5,000). October 2014-October 2015.

*Recommendations for Adolescent Sports Related Concussion Evaluation and Management.***Co-PIs** Janessa Graves, PhD and **Tracy Klein, PhD.** Washington State University seed grant ($27,135). May 2014-August 2015.

*Nurse Practitioner Prescribing of Psychotropic Agents for Pediatric Patients.* **PI Tracy Klein, PhD**. American Association of Nurse Practitioners, ($2500); Sigma Theta Tau Beta Psi Chapter ($2000) September 2013-September 2015.

*Development of Nurse Practitioner Competencies for Prescribing Controlled Substances*. Contractor **Tracy Klein, PhD**, College of Registered Nurses of British Columbia. Competency development for regulatory agency for NP controlled substance prescribing ($8500). October 2013-May 2014.

*Prescribing Competencies for Autonomous APRN Prescriptive Authority: What Do Nurse Prescribers Need to Know?* **Tracy Klein, PhD** fellowship. Institute of Regulatory Excellence, National Council of State Boards of Nursing ($3000) June 2008-August 2012. Dissertation Washington State University.

Washington State University, Hanson Travel Grant ($750.00) GPSA Travel Funds ($100.00) January 2010. **Tracy Klein, PhD** recipient. Presentation travel grant.

Sigma Theta Tau Delta Chi Chapter at Large, Travel Award April 2010. **Tracy Klein, PhD** recipient. Presentation travel grant. ($300.00).

**2. Grants Submitted and Under Review**

**3. Grants Submitted and Not Funded**

*Ask Your Pharmacist About Cannabis (APAC).* Co-PIs **Tracy Klein, PhD** and Myrna Munar, PharmD. ADARP ($21,024). Submitted March 1, 2020. Resubmission October 2020.

*Registered Nurse Residency Program to Enhance Readiness for Practice in Long Term Care.* Co-PIs Louise Kaplan, PhD and **Tracy Klein, PhD**. Health and Human Services, CMPS Region X ($1,056,396). Submitted February 15, 2019. Resubmission October 2019.

*Prescription Opioids for Adolescent Injuries: Patterns, Determinants, and Policy Implications.* PI Janessa Graves, PhD. Co-Is Celestina Barbosa-Leiker, PhD; **Tracy Klein, PhD**; Shannon Panther, PharmD; Behrooz Shirabi, PhD; Yinghui Wu, PhD. NICHM ($55,646). January 1, 2018-December 31, 2019.

*Hiring, Credentialing, and Privileging Nurse Practitioners as Hospitalists.* Co*-*PIs **Tracy Klein, PhD** and Louise Kaplan, PhD. National Council of State Boards of Nursing, Center for Regulatory Excellence ($124,133) September 2018- December 2019.

*Understanding Perspectives and Education of Psychiatric Nurse Practitioners Regarding Adolescent Concussion.*Co-PIs **Tracy Klein, PhD** and Janessa Graves, PhD. AHRQ R03 ($100,000) September 2016-September 2018.

*Competencies for Autonomous Prescriptive Authority: Curriculum Guidelines Revision.* Co-PIs Elizabeth Blunt, PhD and **Tracy Klein, PhD (c)**, National Organization of Nurse Practitioner Faculties ($62,000) January 2011, Curriculum development and revision.

**B. SCHOLARLY COMMUNICATIONS AND PUBLICATIONS**

**1. Invited/Solicited Refereed**

**a. Book Chapters**

Wilson, M. & **Klein, T.** (2022, under development). Cannabis use in pain management. In Turner, H. & Czarnecki, M. Core Curriculum for Pain Management Nursing (4th Edition). Elsevier: New York.

**Klein, T. &** Pearce, P.(2020, in press) Dissemination: Writing for publication. In Murphy, M., Staffileno, B. & Bucholtz, S. Research for Advanced Practice Nurses. Springer: New York.

**Klein, T.** (2014). State implications of the APRN consensus model. In Goudreau, K. and Smolenski, M. Health Policy and Advanced Practice Nursing: Impact and Implications. Springer: New York.

#### Klein, T. (2011/2020). Regulation of prescriptive authority. In Brown, MA & Kaplan, L. The Advanced Practice Nurse as Prescriber. Wiley-Blackwell: Hoboken.

**Klein, T.** (2010/2013/2016/2020). Legal and professional issues in prescribing. In Woo, T.M. and Robinson, ML. Pharmacotherapeutics for Advanced Practice Nurse Prescribers*, 5th ed.*FA Davis: Philadelphia, PA.

**b. Publications**

Buppert, C. & Klein, T. (in press, 2020). Certifying patients for medical cannabis use: What advanced practice registered nurses need to know. *Legal and Professional Issues for Nurses.* <https://www.medscape.com/nurses>.

Wilson, M., **Klein, T**., Bindler, R., Kaplan, L. (Online ahead of print, 2020). Shared decision-making for patients using cannabis for pain symptom management. *Pain Management Nursing.* <https://doi.org/10.1016/j.pmn.2020.09.009>

Hudspeth, R. & Klein, T. (August, 2019). Understanding nurse practitioner scope of practice: Regulatory, practice and employment perspectives now and for the future. *Journal of the American Association of Nurse Practitioners. 31(8),* 468-473. doi: 10.1097/JXX.0000000000000268.

Bucholtz, S., **Klein, T**., Cooke, C., Cook, M.,Kinestrick, J. & Dickens, K. (May, 2018). Introduction to four systematic reviews addressing critical topics identified by the 2015 nurse practitioner research agenda roundtable priorities. *Journal of the American Association of Nurse Practitioners. doi:* [10.1097/JXX.0000000000000035](https://doi.org/10.1097/JXX.0000000000000035)

**Klein, T.** (2010). The Convenient Care Niche: Is it Right for You? *Advance for NPs and PAs, 1(1), 41-43.*

Buppert, C. & **Klein, T.** (2008). Dilemmas in mandatory reporting for nurses. *Topics in Advanced Practice Nursing* *eJournal*, 8(4). Retrieved from <http://cme.medscape.com/viewprogram/18738>.

**Klein, T.** (2008). Credentialing the nurse practitioner in your workplace: Evaluating scope for safe practice. *Nursing Administration Quarterly,* 32(4), 273-278.

**Klein, T.** (2008, September). Do registered nurses need a national provider identifier (NPI)? *Medscape Nurses: Ask the Expert.* Retrieved from <http://www.medscape.com/viewarticle/579984>.

**Klein, T.** (2008). The rules of practice: What you need to know as a new NP. *Advance for Nurse Practitioners Guide for NP Graduates* and *Senior Students, 47-48.*

**Klein, T.** (2007). When to call the BON. *Advance for Nurse Practitioners*, 15(6), 20.

**Klein, T.** (2007). Ask the Expert: How Long Should a Visit to a Retail Clinic Take? *Medscape Nurses: Ask the Expert.* Retrieved from <http://www.medscape.com/viewarticle/554799>.

**Klein, T.** (2006). Working in a Retail Clinic: What Nurse Practitioners Need to Ask. *Topics in Advanced Practice Nursing eJournal*, 6(3). Retrieved from <http://cme.medscape.com/viewprogram/5982>.

**Klein, T.** (2004). Scope of practice and the nurse practitioner: Regulation, competency, expansion, and evolution. *Topics in Advanced Practice Nursing eJournal, 4*(4). Retrieved from <http://cme.medscape.com/viewprogram/4188>.

**2. Non-Invited Refereed Data Based**

Kaplan, L. & **Klein, T.** (under review). Nurse practitioner hospitalists: An empowered role. *Nursing Outlook.*

Graves, JM., Dilley, J., Terkap, L., Brooks-Russell, A., Whitehall, J., **Klein, T.,** Liebelt, E. (under review). Kratom exposures among older adults reported to United States poison centers 2014-2019. *Journal of the American Geriatrics Society.*

Pietz, K., Graves JM, **Klein TA**, Weybright E, Pinkleton B. (in press, February 2021). Concussions at School: Experiences and knowledge among school nurses. *American Journal of Nursing.*

**Klein, T.,** Geddes, J., Hartung, D. (2020). The geographic impact buprenorphine expansion to nurse practitioner prescribers in Oregon. *The Journal of Rural Health.*  [**https://doi.org/10.1111/jrh.12538**](https://doi.org/10.1111/jrh.12538)

Kaplan, L. & **Klein, T.** (2020). Characteristics and perceptions of the US nurse practitioner hospitalist workforce. *Journal of the American Association of Nurse Practitioners.* doi: 10.1097/JXX.0000000000000531

**Klein, T. A.,** Kaplan, L., Stanik-Hutt, J., Cote, J., & Brooks, O. (2020). Hiring and Credentialing of Nurse Practitioners as Hospitalists: A National Workforce Analysis. *Journal of Nursing Regulation*, *11*(3), 33-43.

Kaplan, L**., Klein, T.,** Wilson, M. & Graves, J. (2019). Knowledge, practices and attitudes of Washington state health professionals regarding medical marijuana use. *Cannabis and Cannabinoid Research.* doi:10.1089/can.2019.0051

Deichman, J., Graves, J., **Klein, T.** & Mackelsprang, J. (published online, December 2019). Characteristics of youth who leave the emergency department without being seen following sports related concussion. *Concussion.* <https://doi.org/10.2217/cnc-2019-0010>

Kaplan, L., **Klein, T.,** Wilson, M. & Graves, J. (2019). Knowledges, practices and attitudes of marijuana consultants in Washington state. *University of Toronto Medical Journal, 96*(3), 6-12.

**Klein, T.,** Woo, T., Panther, T., Odom-Maryon, T., & Daratha, K. (2019). Somnolence producing agents: A five year study of prescribing for Medicaid insured children with Attention Deficit Hyperactivity Disorder. *Journal of Pediatric Health Care, 33(3), e1-8.* <https://doi.org/10.1016/j.pedhc.2018.10.002>

**Klein, T**., & Lugo, Rogelio (Nov/Dec. 2018). Evaluation of prescribing within nurse practitioner residency and fellowship programs. *Journal for Nurse Practitioners,* 14(10).

**Klein, T**., & Graves, J. (2018). The scope of inclusion of academic conflict of interest policies. *Journal of Academic Ethics*, 1-14. https://doi.org/10.1007/s10805-017-9298-6.

Graves JM, **Klein TA**, Panther SG, Moore M, Abshire DA, Graham JY (August, 2018). Nurse practitioners' recommendations for pharmacotherapy in the management of adolescent concussion. *Journal of the American Association of Nurse Practitioners.* doi: 10.1097/JXX.0000000000000070.

Panther, S., Knotts, A., Odom-Maryon, T., Daratha, K., Woo, T., & **Klein, T.** (November-December, 2017). Off-label prescribing trends for ADHD medications for young and very young children on Medicaid. *The Journal of Pediatric Pharmacology and Therapeutics.* Vol. 22, No. 6, pp. 423-429. <https://doi.org/10.5863/1551-6776-22.6.423>.

**Klein, T.,** Graves, J., & Graham, J. (2016). Driving following adolescent concussion: Advice by nurse practitioners in absence of standardized recommendations. *Journal of Pediatric Health Care.*doi: 10.1016/j.pedhc.2016.11.004

Graves, J.M., & **Klein, T.** (2016). The impact of patient characteristics on nurse practitioners’ assessment and management of adolescent concussion. *Journal of the American Association of Nurse Practitioners.* doi:10.1002/2327-6924.12431.

Kaplan, L., **Klein, T**., Skillman, S., & Andrilla, C. H. (2016). Faculty supervision of NP program practicums: A comparison of rural and urban site differences. *The Nurse Practitioner*, *41*(7), 36-42.

Graves, J. M., & **Klein, T. A.** (2016). Nurse Practitioners’ comfort in treating work-related injuries in adolescents.(June, 2016, online ahead of print). *Workplace Health & Safety*. doi: 10.1177/2165079916653612.

**Klein, T.** & Graves, J. (September 2016, online ahead of print). Psychiatric nurse practitioner diagnosis and cognitive recommendations for mild traumatic brain injury. *Journal of the American Psychiatric Nurses Association.*doi: 10.1177/1078390316668992.

Wainwright, A., **Klein, T.** & Daly, C. (August 2016, online ahead of print). Competency development to support nurse practitioner prescribing of controlled drugs and substances in British Columbia. *Policy, Politics and Nursing Practice.* doi: 10. 1177/1527154416665099.

**Klein, T.,** Panther, S., Woo, T., Odom-Maryon, T. & Daratha, K. (2016) Prescriber variance in childhood ADHD treatment: Findings from Oregon Medicaid 2012. *Journal of Child and Adolescent Psychopharmacology, 26(6),* 548-554.doi:10.1089/cap.2015.0255.

**Klein, T.** (May/June, 2015). Clinical nurse specialist prescriber characteristics and challenges in Oregon. *Clinical Nurse Specialist.* doi: 10.1097/NUR.0000000000000125.

**Klein, T.** & Kaplan, L. (2010). Prescribing competencies for advanced practice registered nurses. *The Journal for Nurse Practitioners,* 6(2), 119-122.

**3. Non-Invited Refereed Non-Data Based**

**Klein, T.** ( Oct-Dec. 2014). Philanthropic dilemmas and the nurse administrator role. *Nursing Administration Quarterly,* 38(4), 319-326.

**Klein, T.** (2012). Implementing autonomous clinical nurse specialist prescriptive authority: A competency based transition model. *Clinical Nurse Specialist, 26(5).* doi: 10.1097/NUR.0b013e318263d753.

**Klein, T.** (2011). The 1998 curriculum guidelines and regulatory criteria for Family Nurse Practitioners: What should we be teaching nurse prescribers today? *The Journal of the American Academy of Nurse Practitioners, 24(1).*

**4. Non-Refereed**

**Klein, T.** (2002/2011). Prescriptive authority in Oregon for Nurse Practitioners and Clinical Nurse Specialists. Oregon State Board of Nursing. Retrieved from <http://www.oregon.gov/OSBN/pdfs/publications/prescriptive_booklet.pdf.>

C. **CONFERENCE PROCEEDINGS**

**1. Refereed Papers or Abstracts**

Montes, D., Destine, K., Khangura, J., Bindler, R. (2020) *Ask Your Pharmacist About Cannabis (APAC): Findings from health professional and pharmacist continuing education*. American Society of Health-System Pharmacists Mid Year Conference. Virtual presentation .(**Klein, T.,** Ishmael, J. and Munar, M. project mentors)

**Klein, T.** (August 7, 2020). *Accessing the Oregon frontier: The impact of expanding authority for buprenorphine to nurse practitioners*. Academy Health Annual Conference.Virtual presentation.

Bindler, R., Destine, K., Montes, D., Munar, M., & **Klein, T**. (2020). *Ask Your Pharmacist About Cannabis (APAC).* Washington State Pharmacy Association Northwest Pharmacy Convention. Virtual presentation. <https://www.wsparx.org/page/askyourpharmacist>

Wilson, M., & **Klein, T.A.** (2020). *The cannabis controversy: Perceptions of patients, providers, and marijuana consultants on cannabis use*. *Pain Management Nursing*, 21 (2), 207. <https://doi.org/10.1016/j.pmn.2020.02.005>.

Kaplan, L. **& Klein, T.** (October, 2018). *Knowledge, practices and attitudes regarding marijuana for medical conditions among Washington healthcare providers*. National Council of State Boards of Nursing, Science Symposium, Chicago, IL.

**Klein, T.** (August, 2018). *The evolutionary stages of prescriptive authority: Emperical and normative considerations.* International Council of Nurses APN Conference, Rotterdam, Netherlands.

**Klein, T.** (October, 2017).*The scope of inclusion of academic conflict of interest policies.* Invited abstract presentation, Weit Life Sciences Law Scholars Conference, Loyola University Beazely Institute for Health Law and Policy, Chicago, IL.

**Klein, T.** and Erickson, V. (June 6, 2013). *Ask the experts: APRN clinical resources for investigators.* Seminar presentation, National Council of State Boards of Nursing Disciplinary Management Conference, Annapolis, MD.

2. **Refereed Presentations**

Kaplan, L. & **Klein, T.** (March, 2021). *Hiring, credentialing and privileging nurse practitioners as hospitalists: A national workforce and employment analysis.* Invited podium, 2021 National Council of State Boards of Nursing Scientific Symposium. Virtual presentation.

**Klein, T.,**Odom-Maryon, T., Brooks, O., & Purath, J. *(September, 2020). Preparing APN students for changing law and practice: cannabis, pain, opioids, and substance use disorder*. Invited podium, International Council of Nurses NP/APN Network Conference, Halifax, NS, Canada. (Conference cancelled, rescheduled 2021).

**Klein, T.** and Kaplan, L. (September, 2020). *Clinical implications of legal cannabis for APNs.* Invited clinical workshop, International Council of Nurses NP/APN Network Conference, Halifax, NS, Canada. (Conference cancelled, rescheduled 2021).

Geddes, J., **Klein, T.,** Hartung, D. (July, 2020). *Accessing the Oregon frontier: The impact of expanding authority for buprenorphine to nurse practitioners.* Poster, OHSU/PSU School of Public Health Annual Conference, Portland, OR.(Presented virtually) <https://pdxscholar.library.pdx.edu/publichealthpdx/2020/Posters/10/>

**Klein, T.** (June, 2020). *Accessing the Oregon frontier: The impact of expanding authority for buprenorphine to nurse practitioners.* Invited podium, AcademyHealth Annual Research Meeting, Boston, MA. (Conference cancelled, rescheduled for 2021).

**Klein, T.** (June, 2020). *Your patient and cannabis.* Invited podium, American Association of Nurse Practitioners National Conference, New Orleans, LA. (Conference cancelled).

**Klein, T**., Munar, M., Bindler, R., Destine, K., and Montes, D. (May, 2020) *Ask your Pharmacist About Cannabis (APAC).* Invited poster, Washington State Pharmacy Association Northwest Pharmacy Convention (Presented virtually).

Kaplan, L.and **Klein, T.** (April, 2020). *Teaching about medical marijuana: Has science gone up in smoke?* Invited workshop,National Organization of Nurse Practitioners Conference, Chicago, IL. (Presented virtually).

Wilson, M., **Klein, T.** (September, 2019). *The cannabis controversy: Perceptions of patients, providers and marijuana consultants on cannabis use.* Invited podium, American Society for Pain Management Nurses, Portland, OR.

**Klein, T.** , Kaplan, L., Wilson, M. (July, 2019). *Washington state marijuana law: In the forefront of change.* Invited symposium, Research Society on Marijuana, Vancouver, WA.

Kaplan, L., **Klein, T.,** Wilson, M. and Graves, J. (February, 2019). *Knowledge, practices and attitudes about medical marijuana: A Cross-sectional study of certified marijuana consultants in Washington state.* Invited poster, Academy Health National Health Policy Conference, Washington, DC.

**Klein, T.** and Graves, J.(October, 2017). *The scope of inclusion of academic conflict of interest policies.* Invited electronic poster, American Academy of Nurses Health Policy Conference, Washington, DC.

**Klein, T.** and Graves, J. **(**October, 2017). *Driving after concussion: Advice by nurse practitioners.* Invited podium presentation, Sigma Theta Tau 44th Biennial Convention, Indianapolis, IN.

**Klein, T.** (October, 2017). *NP credentialing: Set your house in order.* Invited podium presentation, American Association of Nurse Practitioners Specialty and Leadership Conference, Reno, NV.

**Klein, T.** (June, 2016). *Prescriber patterns for ADHD: A comparison of NP and physician prescribers.* Invited poster, American Association of Nurse Practitioners National Conference, San Antonio, TX

**Klein, T.** (April, 2016). *Prescriber variance in childhood ADHD treatment: Findings from Oregon medicaid 2012.* Invited symposium, Western Institute of Nursing 49th Annual Communicating Nursing Research Conference, Anaheim, CA.

Graves, J. **and Klein T**. (November 2015). *Nurse practitioner assessment and diagnosis of adolescent sports-related concussions*. Podium presentation, 143rd American Public Health Association Annual Meeting, Chicago, IL.

**Klein, T.** and Graves, J. **(**October 2015). *Psychiatric nurse practitioner assessment and diagnosis of adolescent sports related traumatic brain injury.* Invited poster, 2015 American Psychiatric Nurses 29th Annual Conference, Lake Buena Vista, FL.

**Klein, T.** and Panther, S**.** (June 2015). *Using naloxone for overdose mitigation: The NP role.* Invited presentation, 2015 AANP National Clinical Conference, New Orleans, LA.

**Klein, T.** and Graves, J. (June 2015). *The PRACTICE study.* Poster presentation, 2015 AANP National Clinical Conference, New Orleans, LA.

Graves, J. and **Klein, T. (**May 2015). *Nurse practitioners’ comfort in treating of work-related injuries in adolescents: A survey of Washington and Oregon NPs.* Poster presentation, National Occupational Injury Research Symposium CDC/NIOSH, Kingwood, WV.

**Klein, T.** (June 25, 2011). *Off label prescribing: It’s legal but…* Clinical presentation, American Academy of Nurse Practitioners 26th Annual Conference, Las Vegas, NV.

Bissinger, R., Hartigan, C., Meadows, R., **Klein, T.,** Sperhac, A., Stanley, J., Tanner, S., and Thompkins, D. (April 17, 2011). *Update on organizational activities and issues pertaining to implementation of the APRN Consensus Model.* Invited plenary session, National Organization of Nurse Practitioner Faculties 37th Annual Conference, Albuquerque, NM.

Kaplan, L., Buppert, C. & **Klein, T.** (April 2010). *Teaching students about the professional, legal, and regulatory aspects of prescribing.* Armchair discussion. National Organization of Nurse Practitioner Faculties Annual Conference, Washington, DC.

**Klein, T.** & Kaplan, L. (April 2009). *Advanced practice nurse prescribing competencies: Evaluation of prescribing practicum competencies.* Podium presentation, National Organization of Nurse Practitioner Faculty Annual Conference, Portland, OR.

Rosenfeld, A., **Klein, T.** & Turner, H. (October 2008). *Development of a clinical prescribing practicum for Clinical Nurse Specialists.* Podium Presentation, NW Clinical Nurse Specialist Conference, Portland, OR. .

Napolitano, M. & **Klein, T.** (April 2008). *DNP competency development for a masters level FNP program*. Podium Presentation, National Organization of Nurse Practitioner Faculties Annual Conference. Louisville, KY.

**Klein, T.** and Butzke, C. (October 2004). *Pediatric eating disorders: Identification, treatment, and referral.* Podium Presentation, American College of Nurse Practitioners Clinical Conference. Philadelphia, PA.

3. **Non-Refereed Presentations**

**Klein, T.** & Kaplan, L. (April, 2019). *Medical and recreational marijuana: Research, law, and practice considerations.* Preceptor Appreciation Event, Washington State University, Vancouver, WA.

**Klein, T.** (April, 2019 and 2020). *Nurse practitioner as a career: What do you do besides see Patients?* Biology 210, Washington State University, Vancouver, WA.

**Klein, T.** (April, 2019). *Pursuing a career as a nurse practitioner.* Career day presentation, Ilwaco Hilltop Middle School, Ilwaco, WA.

**Klein, T.** (July, 2017). *Legislative and prescribing updates for advanced practice nurses.* Invited continuing education presentation, Acute Care Education, Vancouver, WA.

**Klein, T.** (May, 2016). *Prescriber variance in childhood ADHD treatment: Findings from Oregon medicaid 2012.* Webinar, Sigma Theta Tau Beta Psi Chapter, Portland, OR.

**Klein, T.** (January, 2016). *APRN prescribing pitfalls and pearls* **and** *The APRN Consensus Model—implications for practice.* Invited presentations,3rd Annual Legislative and Pharmacology Update: Alaska APRN Alliance Summit, Anchorage, AK.

**Klein, T.** (October 2015). *AANP Region X update and legislative update.* Invited keynote, 2015 Nurse Practitioners of Idaho Annual Conference, Boise, ID.

**Klein, T.** (October 2015). *AANP Region X update and legislative update.* Invited keynote, 2015 Nurse Practitioners of Oregon Annual Conference, Sunriver, OR.

**Klein, T.** (October 2015). *Getting out the vote: The use of polling software in the classroom.* Invited presentation, 2015 Tech Ed Conference, Pullman, WA.

**Klein, T.** (July 2015). *Legal and ethical issues in prescribing.* Invited presentation and continuing education activity for Oregon and Washington state nurses (3.5 hours), Acute Care Education, Vancouver, WA.

**Klein, T.** (September 26, 2014). *Using adobe forms to teach prescribing.* Invited presentation and poster, 2014 Tech-Ed Conference, Pullman, WA.

**Klein, T.** (October 31, 2013). *Implementing the APRN Consensus Model: Where we are and where we need to go.* Invited session,36th Annual Advanced Practice in Primary and Acute Care Conference, Seattle, WA.

**Klein, T.** (October 3, 2013). *NPs in Oregon: Looking back, looking forward.* Invited keynote presentation, 36th Annual Nurse Practitioners of Oregon Conference, Eugene, OR.

**Klein, T.**, Schnabel, G., Bratz, P. and Haley, K. (September 30, 2012). *Health regulatory board roundtable discussion.* Invited panelist, Oregon State Pharmacy Association Annual Convention, Portland, OR.

**Klein, T.** (August 8-10, 2012). *Autonomous prescriptive authority for APRN prescribers.* Invited poster presentation, National Council of State Boards of Nursing Delegate Assembly, Dallas, TX.

**Klein, T.** and Fey, M. (July 21, 2012). *Precepting advanced practice nursing students: Protecting and enhancing your practice.* Invited webinar continuing education presentation, Nurse Practitioners of Oregon, Portland, OR.

**Klein, T.** (October 27, 2011). *ARPN/APRN alphabet soup and the APRN Consensus Model.* Invited session, University of Washington ARNP Acute and Primary Care Annual Conference, Seattle, WA.

**Klein, T.** (October 20, 2011). *OSBN update.* (October 22, 2011). *Dispensing in the office setting: What you need to know.* Invited plenary session and presentation, Nurse Practitioners of Oregon Annual Conference, Portland, OR.

**Klein, T**., Kennedy, D., Tenscher, M., Harrison-Hohner, J. (October 3, 2010). *Prescribing pitfalls: How to stay safe and legal.* Invited panel discussion, Nurse Practitioners of Oregon 33rd Annual Conference, Salishan, OR.

**Klein, T**. (October 1, 2010). *The nuts and bolts of prescribing scheduled drugs.* Invited clinical presentation, University of Washington Primary Care Conference. Seattle, WA.

Kennedy, D. & **Klein, T.** (May 12, 2010). *Interprofessional relationships: Moving from conflict to collaboration. A pharmacy and nursing perspective.* Oregon Health and Sciences Center for Health Ethics, Portland, OR.

**Klein, T.** (January 2010). *The need for prescribing competencies for advanced practice nurses.* Podium Presentation, Institute for Regulatory Excellence Annual Conference. Phoenix, AZ.

**Klein, T.** (January 2007). *National legal and practice issues* and *Oregon legal and practice issues*. Clinical Pharmacology for NPs and Advanced Practice Clinicians course, Fitzgerald Health Associates. Portland, OR.

**Klein, T.** (October 2006). *Defining scope of practice for nurse practitioners: A regulatory perspective*. Keynote Presentation, Arizona Nurse Practitioner Summit. Phoenix, AZ

**Klein, T**. (June 2004). *Eating disorders in children and adolescents for the primary care provider: Nutritional* *assessment*. Presented at the Washington State University School of Nursing, Vancouver, WA.

**Klein, T.** (May 21, 2004). *Developing pain contracts*. Prescribe, Deny or Refer? Honing your Skills in Prescribing Scheduled Drugs. Presented at the University of Washington School of Nursing, Seattle, WA.

**Klein, T.** and Tucker, L. (September 20, 2003). *Defensive charting: An Oregon Board of Nursing perspective*. Presented at the Nurse Practitioners of Oregon Clinical Conference, Eugene, OR.

**Klein, T**. (May 10, 2001). *Oregon regulatory update* and *Schedule II-IV drugs: Are you ready? Privileges, pitfalls, and responsibilities*. Presented at the University of Washington School of Nursing, Seattle, WA

**D. HONORS AND AWARDS**

2019 (Awarded) Nurse Practitioner Hall of Fame, Oregon Nurses Association

2019 (Awarded) Outstanding Graduate Faculty Award, 2019

2018 (Awarded) Sigma Theta Tau, Delta Chi Chapter At Large, Nursing Practice Excellence Award

2018 (Awarded) Sigma Theta Tau, Delta Chi Chapter At Large, Travel Award

2018 (Nominated) WSU Woman of Distinction

2017 (Awarded) WSU Vancouver, College of Nursing, Nurse Researcher Award

2014-present (Elected) American Association of Nurse Practitioners Region X (OR, WA, AL, ID) Board of Directors

2013 (Induction) American Academy of Nurses, Fellow

2012 (Induction) Institute of Regulatory Excellence, Fellow

2009 (Induction) American Association of Nurse Practitioners, Fellow

2009 (Awarded) American Association of Nurse Practitioners, Oregon NP of the Year

1991 (Induction) Sigma Theta Tau, Beta Psi and Delta Chi Chapters

**E. PROFESSIONAL AND COMMUNITY SERVICE**

**1. Columnist**

*Medscape Ask the Expert* (2007-2010)

**2. Editorial Review Boards and Manuscript Review**

*Clinical Nurse Specialist,* Reviewer

*International Journal of Health Policy and Management,* Reviewer

*Journal of the American Psychiatric Nurses Association*, Reviewer

*The Journal of the American Association of Nurse Practitioners***,** Reviewer

*The Journal of Child and Adolescent Psychopharmacology,* Reviewer

*The Journal of Child and Adolescent Psychiatric Nursing,* Reviewer

*The Journal of Nursing Regulation,*Reviewer

*Nursing Outlook,* Reviewer

*Oregon State Drug Review,*Reviewer

**3. Consultations and Advisements**

a. Legal review and consultation, FNP expert (2009-present)

* Evaluation of medical malpractice and licensing complaints
* Public and private employment with legal firms representing both plaintiff and respondents

b. College of Registered Nurses, British Columbia (2004-2018)

* Consultant for regulatory development of Nurse Practitioner initial and prescribing role in Canada (2004-2018)
* Trained clinical examiner for OSCE exam (2007-2011)
* Scenario development and adaptation for Objective Structured Clinical Exam (OSCE) (2006-2007)
* Credentials Evaluation Committee for Nurse Practitioner application review (2005-2007)

c. Whitworth College, Spokane, WA. (2011)

* Revision of school based clinic protocols and policies for regulatory compliance

d. National NP Residency and Fellowship Training Consortium, Accreditation Training (2018-2019)

e. Grant Reviewer (2018-Present)

* American Association of Nurse Practitioners Research Committee, Request for Proposals
* Washington State University, Seed Grant Proposals
* Washington State University Vancouver Center for Equity, Inclusion and Diversity, Mini Grant Proposals

**F. ACADEMIC SERVICE**

**1**. **Faculty Committees**

2020-2021Washington State University

 Faculty Status Committee—Elected

2018-Present Washington State University College of Nursing

 Faculty Affairs—Elected (Chair, 2019-2021)

2016-2019 Washington State University Vancouver

 Diversity Council—Appointment

2015 Washington State University

 Elson Floyd Medical School Accreditation Self-Study Community Response Committee

2014-2019 Washington State University Vancouver

 Scholarship Review Committee--Appointment

2013-present Washington State University College of Nursing

MN/DNP Advisory Committee

FNP Faculty Committee

Graduate Faculty Committee

2013-2016Graduate Retention and Admissions Committee*—*Elected FNP representative

**2. External Academic Service**

2019 Loyola University, School of Nursing

 *Tenure and Promotion portfolio review*

2016-2017 University of Utah, College of Nursing

 *Content Expert DNP Committee for Rogelio Lugo, NP student*

2013-present Oregon Health and Sciences Univesity, College of Pharmacy

 *Preceptor for PharmD Teaching Residencies, Affiliate Faculty*

2004-2013 University of Washington, Continuing Nursing Education

 *Instructor and Planning/Advisory Committee Member for*

 *Scheduled Drug Prescribing Courses*

**G. EDUCATION AND TEACHING**

**1. Thesis/Masters Committees**

2019-2020 Washington State University Pullman PhD Prevention Sciences

 Katie Pietz, Member; Marie Grey, Member

2018 Washington State University Spokane BSN Honors

 Jacquelyn Deichman, Kirsten Hauke, Member

2018-2019 Washington State University Pullman MS Prevention Sciences

Katie Pietz, Member

2017 Washington State University Vancouver MN/DNP

 Eric Nash, Catherine Shannon and Janine Garner, Member.

2016 Washington State University Vancouver MN/DNP

Melissa Dubec, Chair. Nikkiel Lefebre and Ben Matthews, Member.

2015 Washington State University Vancouver MN/DNP

 Jeannine Yates, Laurel Tor and Jimmy Truong, Member

2014 Washington State University Vancouver MN/DNP

Acacia Syring, Member

2008 Washington State University Vancouver MN

 Alyce Huntsinger and Cassandra Whittenburg, Member

**2. Education Survey Visits**

2011  **University of Portland, Graduate Nursing Program**

 **Portland, OR**

Led team of two surveyors for a 2-day comprehensive survey of the DNP/FNP programs for state Board of Nursing approval.

2011  **Oregon Health and Sciences University, Graduate Nursing Program**

 **Portland, OR**

Conducted pre-survey assessment and subsequently led team of four surveyors for a 3-day comprehensive survey of the FNP, PMHNP, CNM and DNP programs for state Board of Nursing approval.

**3. Teaching and Curriculum**

**a. Course Development**

Summer 2013 NURS 573: Rational Prescribing

**b. Teaching Assignments**

Spring 2021NURS 573: Rational Prescribing

Fall 2020 NURS 563: Advanced Pharmacological Concepts and Practice

Spring 2020 NURS 573: Rational Prescribing

Fall 2019 NURS 563: Advanced Pharmacological Concepts and Practice

Spring 2019 NURS 573: Rational Prescribing, NURS 584 Healthcare Law, Regulation and Policy Analysis

Fall 2018 NURS 563: Advanced Pharmacological Concepts and Practice

Spring 2018 NURS 584: Healthcare Law, Regulation, and Policy Analysis

Fall 2017 NURS 563: Advanced Pharmacological Concepts and Practice

Spring 2017 NURS 584: Healthcare Law, Regulation, and Policy Analysis

Fall 2016 NURS 563: Advanced Pharmacological Concepts and Practice

Spring 2016 NURS 507: Health Policy

Fall 2015 NURS 567: Primary Care of Adult and Elders

Spring 2015 NURS 507: Health Policy

Fall 2014 NURS 567: Primary Care of Adult and Elders

Summer 2014 NURS 573: Rational Prescribing

Spring 2014 NURS 563: Advanced Pharmacological Concepts and Practice

**c. Co-Teaching**

Spring 2017 NURS 513: Primary Care I: Health Promotion, Disease Prevention and Disease Detection

 Co-Faculty: Sarah Fincham, DNP, ARNP

Spring 2016 NURS 557: Concepts of Practice Transformation

 Lead Faculty: Catherine Van Son, PhD, RN, ANEF

Spring 2015 NURS 563: Advanced Pharmacological Concepts and Practice

 Lead Faculty: Tracy Klein, PhD, FNP

Fall 2013 NURS 567: Primary Care Adult and Elders

 Lead Faculty: Sandy Carello, PhD, FNP

Fall 2013 NURS 570: Clinical Decisionmaking

 Lead Faculty: Linda Eddy, PhD, PNP

**d. Student Teaching**

Spring 2011 NURS 507: Health Policy

 Lead Faculty: Louise Kaplan, PhD, FNP, FAANP