

CURRICULUM VITAE

Name: Vivian Hui, RN, BSN

Business Address: University of Pittsburgh
School of Nursing
3500 Victoria Street, Suite 415
Pittsburgh, PA, 15216

Email: chh168@pitt.edu

EDUCATION

Undergraduate

8/2012 – 8/2016 The University of Hong Kong B.S.N Nursing
Hong Kong

2016 Case Western Reserve University *Exchange program*
Cleveland, OH

Graduate

8/2018 – University of Pittsburgh Ph.D. Nursing
Pittsburgh, PA (Specialty: Nursing informatics)

APPOINTMENTS AND POSITIONS

Academic

8/2018 – 8/2020 University of Pittsburgh School of Nursing Teaching Assistant
Pittsburgh, PA

8/2018 ~ University of Pittsburgh School of Nursing Graduate Student Researcher
Pittsburgh, PA

5/2021 ~ University of Pittsburgh School of Nursing Graduate Student Assistant
Pittsburgh, PA

Non-Academic

5/2011 – 8/2011 Census and Statistics Department Enumerator

1/2015 – 6/2015 Housing Authority Enumerator

1/2015 – 6/2015 Hospital Authority Nurse Intern Renal Ward

5/2015 – 8/2015 Department of Health Research Intern (Nursing)

8/2016 – 8/2018 St. Teresa's Hospital, Hong Kong Registered Nurse Surgical Ward

LICENSURE AND CERTIFICATION

7/2016 ~ RN Licensure RNG0002517 Hong Kong

8/2013 ~ First Aid Hong Kong

5/2015 ~ Mental Health First Aid International

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2016 – present	Member, Institute on Violence, Abuse and Trauma
2016 – present	Member, Family Violence and Sexual Assault Institute
2016 – present	Member, Association of Hong Kong Nursing Staff
2016 – present	Member, Hong Kong Society for Nursing Education Limited
2016 – present	Scholar and member, Academy of Violence and Abuse (AVA)
2017 – present	Member, College of Nursing Hong Kong
2018 – present	Nurse leader member, Sigma Theta Tau (Eta Chapter)
2019 – present	Member, American Medical Informatics Association (AMIA)
2019 – present	Member, International Network for Doctoral Education in Nursing
2019 – present	Member, Society of Behavioral Medicine (SBM)

HONORS

2019 – present	Fellowship, GetWellNetwork, O’Neil Center University of Pittsburgh Nursing Scholars
2020 – present	Scholar, Academy of Violence and Abuse (AVA), United States

SCHOLARSHIPS

2012–2016	First-in-the-family Fund Award, The University of Hong Kong, Hong Kong
2015	Well of Ismael Fund Award, Starr Hall, The University of Hong Kong, Hong Kong
2016	Asia Pacific Young Leaders Award, Hong Kong
2018	Abraham A. Constantino Jr., M.D. Endowed Scholarship, University of Pittsburgh, United States
2019	Enid Goldberg Scholarship, Sigma Theta Tau (Eta Chapter), United States
2020	EduMed Scholarship, EduMed Organization, United States
2020	Rose Constantino Nursing Scholarship, United States

PUBLICATIONS

Refereed Articles (♦ = data-based; ♠ = role)

1. Tiwari, A., Cheung, D., & **Hui, V.** (2018). Improving mental health outcomes of Chinese women survivors of intimate partner violence through advocacy interventions. *Global mental health* (Cambridge, England), 5, e15. <https://doi.org/10.1017/gmh.2018.5>
♠ Conduct partial literature review and manuscript writing.
2. Constantino, R.E., Angosta, A.D., Reyes, A.T., Kameg, B., Wu, L., Cobb, J., **Hui, V.**, Palompon, D., Safadi, R., Daibes, M. and Schlenk, E. (2019) Is Intimate Partner Violence a Risk Factor for Cardiovascular Disease in Women? A Review of the Preponderance of the Evidence. *Health*, 11, 841-854.
3. ♦ Constantino, R. E., Reyes, A. T., Kregg-Byers, C. M., Braxter, B., Scott, P. W., Cobb, J., **Hui, V.**,... & Palompon, D. R. (2020). Matters of HEARTS: health, experience of abuse, resilience, technology use, and safety of older adults. *Educational Gerontology*, 1-15.
<https://doi.org/10.1080/03601277.2020.1757588>
♠ Perform initial data entry, data analysis and partial contribution of manuscript writing.

4. ♦ **Hui, V.**, Constantino, R.E. The association between life satisfaction, emotional support, and perceived health among women who experienced intimate partner violence (IPV) – 2007 behavioral risk factor surveillance system. (2021) *BMC Public Health* 21, 641 <https://doi.org/10.1186/s12889-021-10665-4>
5. ♦ Howell, B., Vonda, CJ., **Hui, V.**, Deyo, P., Herdman, N., Swartwout, E. (2021) Impact of Patient Engagement on Tailored Education for Joint Replacement Population Using Technology. *CIN: Computers, Informatics, Nursing*; Accepted.
♠ Perform literature review, data wrangling, data analysis, and involved in manuscript writing.
6. Constantino, R.E., Reyes, A. T., Scott, PW, Petrie-Wyman, J, Carmack, S, Ramos, MD, Palanisamy, B. Cuevas, PEG, Kang, HK, Palompon, DR, **Hui, V.**, Burhart, RE, Allen, LC. (2021) Life Course in HEARTS: Enhancing Telehealth Resilience and Mindfulness Intervention in Older Adults Experiencing Abuse and Trauma—A Conceptualization. *Open Acc J Comp & Alt Med* 3(1) - 2021. OAJCAM.MS.ID.000154. DOI: [10.32474/OAJCAM.2021.03.000154](https://doi.org/10.32474/OAJCAM.2021.03.000154)

Journal articles under review

1. **Hui, V.**, Jeon, B., Klem, ML., Lee, YJ. (2020) Harnessing health information technology in intimate partner violence in the United States. *Trauma, Violence, and Abuse* (Submitted, under review)
2. ♦ Palompon, D., E., Reyes., Garcia, L., Cutamora, Jezyl., **Hui, V.**,...& Constantino, R. E., (2021) HEARTS Matters: The Moderation and Mediation Effects of Resilience, Experience of Abuse and Technology in Older Persons. *BMC Geriatrics* (Submitted, under review)
♠ Perform data entry, data interpretation and review of the manuscript.
3. ♦ **Hui, V.**, Brazee, R., Rosenzweig, M., Lee YJ. (2021) The association between hormone receptor reactivity and the quality of end-of-life care received among patients with metastatic breast cancer (MBC). *Clinical Journal Oncology Nursing* (Submitted, under review)
4. **Hui, V.**, Lee YJ. (2021) Harnessing machine learning in domestic violence. An integrative review. *International journal of medical informatics* (Submitted, under review)
5. Constantino, R.E., **Hui, V.**, Nitowski, K. M., Kameg, B., Bowser, A. S., Allen, LC, Burkart, R E & Braxter, B., (2021) Clinical Judgment: A Prerequisite to Establishing Professional Identity--A Case Study. *Advanced Emergency Nursing Journal* (Submitted, under review).
♠ In charge of abstract writing, review of content and partial manuscript preparation.
6. ♦ Thanker, K., **Hui, V.**, Wang, Z., Brusilovsky, P., Donovan, H., Klem, ML.,He, D., &Lee YJ. (2021) Understanding article sharing amongst OvCa Patients to enhance Patient-Centric Recommendation Engine. *Journal of Medical Internet Research* (Submitted, under review)
♠ Perform data wrangling, annotation, insights from nursing perspective and prepare partial manuscript.

Journal articles in preparation

1. ♦ **Hui, V.**, Swartwout, E. (2021) How the medical treatment experience affect the capacity of engagement in healthcare among adolescents. *Journal of Advanced Nursing* (In progress)

2. ♦ **Hui, V.**, Wang, Z., Lee YJ. (2021) What are the topic that ovarian cancer patients discussed on online forums, a text-mining approach. *Journal of Medical Internet Research* (In progress)
3. ♦ **Hui, V.**, Chi, Y., Kunsak H., Lee YJ. (2021) The online information seeking behavior and experience among ovarian cancer patients. *BMC Cancer* (In progress)
4. Wang, Z., **Hui, V.**, Thanker, K., Brusilovsky, P., Donovan, H., Klem, ML., He, D.,...&Lee YJ. (2021) The annotation pipelines for extracting online documents and postings in gynecologic oncology. *Journal of Information Science* (In progress)
♣ In charge of annotation process, data interpretation, data comparison and manuscript preparation.

Published Abstracts

1. **Hui, V.**, Scott, P., Ren, D., Constantino, R.E. The HEARTS of Older Persons in Pittsburgh, PA and the Philippines: A Global Collaboration. Asian American/Pacific Islander Nurses Association & Taiwan Nurses Association Joint International Conference: Changes in Nursing Research, Education, and Practice: From Local to Global. Symposium presentation. August 2019, Taichung, Taiwan.
2. **Hui, V.**, Jeon, B., Klem, ML., Lee, YJ. Harnessing health information technology in intimate partner violence in the United States. American Medical Informatics Association 2019 Annual Symposium. Poster Presentation. November 2019. Washington D.C.
3. **Hui, V.**, Constantino, R.E. The association between life satisfaction, emotional support, and perceived health among Intimate Partner Violence (IPV). Academy of Violence and Abuse, Virtual Global Health Summit 2020. Short Paper, Oral Presentation.
4. Wang, Z., Brusilovsky, P., Donovan, H., **Hui, V.**, Klem, ML.,...&Lee YJ. Machine learning based iterative annotation system for ovarian cancer articles. American Medical Informatics Association 2020. Virtual Annual Symposium. Poster Presentation. November 2020.
5. **Hui, V.**, Wang Z, Lee YJ, ‘What can online Ovarian Cancer Forum present us about patients’ information needs? - A Text-Mining Approach’. 2021 Virtual informatics summit. Poster presentation. March 2021.

RESEARCH

Dissertation

Role: Principal Investigator 8/2021~
Title: (Tentative) Leveraging text mining to understand the empowerment process among domestic violence survivors on social media.

Research Grants (Funded)

Role: Principal Investigator 7/2020 -8/2021
Type: Margaret E. Wilkes Scholarship Fund Award
Funding Agency: Center for Research and Education, University of Pittsburgh

Title: Leveraging text mining to understand resilience in domestic violence.
Award: \$500

Additional Research Activities

Role: Graduate Student Researcher
(PI, Young Ji Lee, PhD, RN)
Type: R01(Identifier: 1R01LM013038-01A1)
Funding Agency: National Library of Medicine (NLM)
Title: Development and implementation of a health E-Librarian with personalized recommender (HELPeR) Dates: 10/2019 ~

Independence Study

Role: Graduate researcher
Project: Leveraging text mining to understand the needs of ovarian cancer patients on online forums
Advisor: Dr. Young Ji Lee, PhD, RN (School of Nursing, University of Pittsburgh) Dates:5/2020-12/2020

Role: Graduate researcher
Project: Applying computational discourse analysis to understand the empowerment process of domestic violence survivors on social media
Advisor: Prof. Carolyn Rosé, PhD (Language Technologies Institute, School of Computer Science, Carnegie Mellon University) Dates: 5/2021-8/2021

Medical Informatics Research Activities

Role: Member
Frequency: Weekly
Name: Medical informatics subgroup, School of Computer Science, Carnegie Mellon University

Role: Member
Frequency: Every other week
Name: Pitt-CMU Medical Informatics Colloquium (PCMIC), University of Pittsburgh

PRESENTATIONS

1. Cheung, D., Tiwari, A., **Hui, V.** Usability testing of a smartphone application for delivering qigong training. Academy of Violence and Abuse, Global Health Summit. Oral Presentation. South Carolina, United States. November 2016.
2. Thompson, M., **Hui, V.**, Zang K. Measuring Youth Resilience Across Cultures' and 'Implementing Protective Factors to Increase Resilience in Community, Counseling, and Healthcare Settings. Academy of Violence and Abuse, Global Health Summit. Oral Presentation. Tallahassee, Florida, United States. November 2018.
3. **Hui, V.**, Constantino, R.E. Harnessing Email Text Messaging to Deliver HELP Globally to Women in Intimate Partner Violence. Hong Kong 8th International Nursing Forum cum International council on women's health issue congress. Oral Presentation. December 2018, Hong Kong

4. **Hui, V.**, Constantino, R.E. The Association between the experience of abuse and the sleep quality of older adults. Society of Behavioral Medicine. Annual meeting. Poster Presentation. March 2019, Washington, DC.

Other Scholarly Activities

Manuscript/Conference Reviewer

- | | |
|----------------|---|
| 2020 – present | Reviewer, American Medical Informatics Association (AMIA) Annual Conference |
| 2020 – present | Reviewer, <i>Trauma, Violence, & Abuse</i> |
| 2021 – present | Reviewer, <i>Journal of Nursing Doctoral Students Scholarship</i> |

Undergraduate Research Mentoring

- | | |
|-------------|--|
| 2019 – 2020 | Gillian Marie Tocheny, Undergraduate Research Mentorship Program |
| 2020 ~ | Molly Lunney, Undergraduate Research Mentorship Program |
| 2020 ~ | Hannah Kunsak, NLM R01 Research Project |
| 2021 ~ | Adriana Rush, NLM R01 Research Project |

TEACHING

University of Pittsburgh School of Nursing

Teaching Assistant

- | | |
|------|--|
| 2018 | NUR0087 Nursing Pharmacology I (BSN program) |
| 2019 | NUR0080 Foundations of Nursing Practice 1 (BSN program) |
| 2020 | NUR0081 Foundations of Nursing Practice 2 (Accelerated 2 nd Degree BSN program) |

RELEVANT SKILLS

- | | |
|-------------------------|---|
| Research method: | Interview, Statistical analysis, Survey design, Usability testing, Persona Content analysis, Focus group, Discourse analysis, Computational method (Topic modeling, Sentiment analysis, Network analysis, Cluster analysis) |
| Language: | Cantonese, English, Mandarin, Spanish (basics) |
| Software: | SPSS, NVivo, Protégé, R Studio, Anaconda Jupyter, Canva, Premiere, DaVinci |
| Programming: | Python, R, XML/JSON (basics) |
| Data Mining: | Numpy, Pandas (Data analysis), Scipy (Statistics), Scrapy (Web scraping), NLTK, spaCy (Natural Language Processing), scikits-learn (Machine learning) |

SERVICE

Graduate Student Assistant

- | | |
|------|--|
| 2019 | Project: Kazakhstan Nursing Curriculum Work Group
Head of Project: Jacqueline Dunbar-Jacob, PhD, RN, Dean,
School of Nursing, University of Pittsburgh |
|------|--|

