

CURRICULUM VITAE

**Christopher I. Macintosh, PhD, RN**

**Education**

08/2017	University of Utah, SLC, UT Doctor of Philosophy: Nursing
12/2014	University of Utah, SLC, UT Gerontology Graduate Certificate
08/2006	University of Utah, SLC, UT Bachelor of Science Major: Nursing
06/1996	University of Utah, SLC, UT Bachelor of Arts Major: Chinese

**Appointments & Positions**

**Academic**

2018 – Present	University of Utah, SLC, UT College of Nursing Adjunct Assistant Professor NURS 6806/BMI 6017– Computer Science Fundamentals NURS 6075 – Statistics for Informatics
2008 – 2014	University of Utah College of Nursing, SLC, UT Teaching Assistant NURS 7505 – Biostatistics NURS 7201 – Statistics I NURS 7202 – Statistics II NURS 3005 – Epidemiology RN to BS (online) Teaching Practicum GERON 6003 – Research Methods in Aging
2011 – 2011	University of Utah, SLC, UT School of Public Administration, Adjunct Faculty Co-Instructor PADMN 6289 – Research Design Public Administration
2007 – 2009	University of Utah, SLC, UT College of Nursing Research Assistant: Kathy Sward, RN, Ph.D. Research Assistant: Erin Rothwell, Ph.D.

## **Professional**

2016 – Present	Intermountain Healthcare, West Valley City, UT Interim Lead Terminology and Modeling Team Care Transformation Solutions Analyst Clinical Modeling Engineer Staff
2015 – 2016	Midas Creek Home Health & Hospice, South Jordan, UT Home Health & Hospice RN Case Manager
2007 – 2009	Intermountain Medical Center, SLC, UT Operating Room Nurse
2006 – 2007	LDS Hospital, SLC, UT Operating Room Nurse
2006 – 2007	University of Utah Hospital, SLC, UT Operating Room Nurse
2004 – 2005	UPS Mail Innovations, SLC, UT Operations Supervisor
2003 – 2004	Brooks Brothers, Park City, UT Sales Associate
1996 – 2003	United States Postal Service, Park City, UT Clerk, 204b (fill-in supervisor)
1993 – 1996	United Parcel Service, SLC, UT Preloader, HAZMAT first responder
1991 – 1992	The Church of Jesus Christ of Latter Day Saints, Taipei, Taiwan Missionary

## **Licensure & Certification**

2006 – Present	Registered Nurse State of Utah Lic.# 6256941-3102 (expires 01/31/2023)
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## **Professional Memberships**

2009 – Present	Healthcare Information and Management System Society (HIMSS) & Utah Chapter (UHIMSS) Organizational ambassador for Intermountain Healthcare UHIMSS program committee (2018 – 2019)
2014 – 2015	American Nursing Informatics Association (ANIA)
2013 – 2016	American Statistical Association (ASA)
2010 – 2016	Gerontological Society of America (GSA)
2009 – 2014	Western Institute of Nursing (WIN)

	Research Conference Room Monitor (2009)
2009 – 2012	Association of Perioperative Registered Nurses (AORN)
2008 – present	American Medical Informatics Association (AMIA)
	Nursing Informatics Working Group (NIWG) student representative, web liaison (2014)
2007	Golden Key International Honor Society
2006 – Present	Sigma Theta Tau International Honor Society of Nursing
	Gamma Rho Chapter
	Awards Committee Member (2009-2010)
2004 –2006	National Student Nurses' Association

### Honors/Awards

2010 – 2011	University of Utah, SLC, UT
	College of Nursing
	George S. and Dolores Doré Eccles Graduate Fellow
2009	Echomae and Esther Pritchard Endowed Doctoral Scholarship Fund awardee
2007 – 2010	University of Utah, SLC, UT
	College of Nursing
	Doctoral Fellowship awardee
	Doctoral Incentive Package awardee
1989	University of Utah, SLC, UT
	National Merit Scholarship

### Publications and Presentations

Web of Science ResearcherID: <http://www.researcherid.com/rid/D-3207-2013>

ORCID: <http://orcid.org/0000-0003-4708-6756>

### Journal Articles

- Luthy, K. E., Anderson, A., Macintosh, J., Beckstrand, R. L., Eden, L. M., Amy, R., & **Macintosh, C. I.** (2017). A whooping cough education module for WIC clients in Utah. *MCN, The American Journal of Maternal/Child Nursing*, 42(5), 283-288. <https://doi.org/10.1097/NMC.0000000000000358>
- Leighton, K., Ravert, P., Mudra, V., & **Macintosh, C.** (2015). Updating the simulation effectiveness tool: Item modifications and reevaluation of psychometric properties. *Nursing Education Perspectives*, 36(5), 317-323. <https://doi.org/10.5480/15-1671>
- Merrill, K. C., Sumner, S., Linford, L., Taylor, C., & Macintosh, C. (2014). Impact of universal disinfectant cap implementation on central line–associated bloodstream infections. *American Journal of Infection Control*, 42(12), 1274-1277. <https://doi.org/10.1016/j.ajic.2014.09.008>

Lassche, M., Al-Qaaydeh, S., **Macintosh, C. I.**, & Black, M. (2013). Identifying changes in comfort and worry among pediatric nursing students following clinical rotations. *Journal of Pediatric Nursing*, 28(1), 48-54. <http://doi.org/10.1016/j.pedn.2011.12.008>

Al-Qaaydeh, S., Lassche, M., & **Macintosh, C. I.** (2012). Exploratory factor analysis of the Pediatric Nursing Student Clinical Comfort and Worry Assessment tool. *Journal of Pediatric Nursing*, 27(5), e39-e43. <http://dx.doi.org/10.1016/j.pedn.2012.05.003>

## Posters

**Macintosh, C. I.** (2013). *Identifying and classifying personal health records research: A systematic review* [Poster presentation]. Western Institute of Nursing 46th Annual Communicating Nursing Research Conference, Anaheim, CA, United States.

**Macintosh, C. I.** (2010). *Data management tools for nursing research: Single-user and multi-site solutions* [Poster presentation]. Western Institute of Nursing 43rd Annual Communicating Nursing Research Conference, Phoenix, AZ, United States.

**Macintosh, C.I.**, & Guo, J-W. (2009). *Advantages and disadvantages of using consumer-oriented database programs for research data* [Poster presentation]. Intermountain Evidence-Based Nursing Research Conference: Advancing Nursing through Evidence and Research. Salt Lake City, UT, Utah

**Macintosh, C.I.** (2009, April). Conference poster: An analysis of the concept of personal health records. Salt Lake City, UT: Western Institute of Nursing 42rd Annual Communicating Nursing Research Conference

Wyckoff, A., Jones, K., Kapsandoy, S., & **Macintosh, C.** (2008). Mapping nursing program activities to nursing informatics competencies [Poster presentation]. American Medical Informatics Association 2008 Conference, Washington D.C., United States.

## Presentations

### Regional

Lassetter, J. H., **Macintosh, C. I.**, Williams, M., Ray, G., Driessnack, M., & Wisco, J. J. (2016). *Psychometric testing of self-efficacy & recall questionnaires for children* [Paper presentation]. Western Institute of Nursing 49<sup>th</sup> Communicating Nursing Research Conference, Portland, OR, United States.

Merrill, K., Mandleco, B., Macintosh, J., Hopkins, B., & **Macintosh, C. I.** (2013, April 13). *Symposium: Innovative methods to create a spirit of inquiry in undergraduate nursing students* [Conference presentation]. Western Institute of Nursing 46th Annual Communicating Nursing Research Conference, Anaheim, CA, United States.

### **Invited Presentations**

03/2013	Brigham Young University, Provo, UT Undergraduate Nursing Guest Lecture Quantitative Analysis in Research, Qualitative Analysis in Research
10/2012	Brigham Young University, Provo, UT Undergraduate Nursing Guest Lectures Measurement, Reliability, and Validity; Quantitative Analysis in Research
05/2012	Brigham Young University, Provo, UT Statistics Lecture to College of Nursing Faculty Missing Data
10/2010	University of Utah College of Nursing, SLC, UT Panel Discussion Moderator Selecting Dissertation Committee Members
02/2010	University of Utah Department of Biomedical Informatics, SLC, UT Frey Lab Adaptation of UTAUT Instrument for Use with Elderly Population
03/2009	University of Utah Department of Biomedical Informatics, SLC, UT Frey Lab Mapping Concepts in Case Report Forms (CRF) for Use with caBIG
10/2008	University of Utah College of Nursing, SLC, UT Hartford Evaluation Use of PHR for Managing Medication Information
05/2007	LDS Hospital OR Staff, SLC, UT Using Online Wiki for Organizing and Sharing OR Notes

### **Research Participation**

05/2015 – 08/2015	Me & My Wishes: Prototyping Long Term Care Resident Videos to Communicate Care Preferences Principal Investigator: Gail Towsley, PhD My Role: data collection, data analysis, manuscript writing
04/2013 – 12/2015	Provider attitudes towards and association with older adult use of computerized personal health records Principal Investigator: Christopher I. Macintosh, RN, BSN Dissertation Research Committee Chair: Kathy Sward, Ph.D., RN
04/2013 – 12/2014	Confirmatory Factor Analysis of the Pediatric Nursing Student Clinical Comfort and Worry Assessment Tool

	Principal Investigators: Madeline Lassche, MSNEd, RN, & Sharifa Al-Qaaydeh, MS, RN My Role: Study planning, set up REDCap database, confirmatory factor analysis
08/2008 – 05/2009	Comparing computerized data management methods: Local methods vs. Online methods Principal Investigator: Christopher I. Macintosh, RN, BSN Research Practicum: Research Advisor: Bob Wong, Ph.D.
11/2008 – 11/2009	Modeling Case Report Forms (CRF) for Use with caBIG Principal Investigator: Kathy Sward, PhD My Role: initial modeling of concepts contained in CRF using Enterprise Architect
01/2009 – 03/2009	Hospice Caregiver Interactions Principal Investigators: Pat Berry, Ph.D., Lee Ellington, Ph.D., Mardie Clayton, Ph.D. My Role: help set up online recruitment tracking and data collection using REDCap
08/2007 – 08/2008	Evaluation of a Fitness Program on Physiological and Psychosocial Outcomes among Cancer Patients and Survivors Principal Investigator: Erin Rothwell, Ph.D. My Role: SPSS data entry, coordination with data collectors, coordination with site information systems Comparing Supportive/Expressive and Mind/Body Cancer Support Groups Principal Investigator: Erin Rothwell, Ph.D. My Role: Coordination with data collection site, SPSS data entry, Preliminary data analysis Comparing Individual and Group Formats for Genetic Counseling Principal Investigator: Erin Rothwell, Ph.D. My Role: Coordination with data collection site, SPSS data entry RENEW Cancer Survivor Exercise Study Principal Investigator: Erin Rothwell, Ph.D. My Role: study recruitment (phone calls), data collection (phone calls to participants), SPSS data entry, coordination with study partners, SF-36 scoring, preliminary data analysis Effects of Cancer Treatment on Leisure Activities Principal Investigator: Erin Rothwell, Ph.D.

My Role: recruitment (initial contact with patients), data collection (collect self-report forms), coordination with study site, SPSS data entry

Poison Control Communication Training

Principal Investigator: Erin Rothwell, Ph.D.

My Role: Transfer paper survey to Survey Monkey

### **Service**

02/2013 – 04/2013	Brigham Young University, Provo, UT Time donated to analyze data, write results, and consult on study design for Nurse Practitioner Ecuador Anemia Study (3 hours)
03/2011	University of Utah, SLC, UT College of Nursing SciencePower presentation for middle school girls
12/2010	Multi-round Delphi study participant Theoretical framework for PHR adoption
09/2009 – 05/2010	University of Utah, SLC, UT College of Nursing College Council - Participate in the committee responsible for making administrative decisions for the College of Nursing.
04/2009	University of Utah, SLC, UT College of Nursing Nursing Informatics Student Representative: Help plan new student orientation, Assist with faculty candidates, Help support new students
09/2008 – 2012	Qualitative Health Research (QHR) Article Reviewer
02/2008	Clinicomp/Landstuhl Regional Medical Center, Landstuhl, Germany EMR Go-Live Support
09/2005 – 08/2006	Globus Relief, SLC, UT Created training video for sorting donated medical supplies
<b>Statistical Consulting and Tutoring</b>	
02/2013 – Present	Brigham Young University, Provo, UT College of Nursing Statistical support for various faculty