

Curriculum Vitae – 2017

**I. PERSONAL DATA**

A. Name: **Steven Moss Thygerson**  
B. Birth Date: May 2, 1973  
C. Birthplace: Provo, Utah, USA

**II. EDUCATION**

**A. Doctor of Philosophy (Ph.D.): Environmental Health;** December 2006; Colorado State University, College of Veterinary Medicine and Biological Sciences, Department of Environmental Health; Fort Collins, Colorado.

Area of Specialization: Industrial Hygiene Methods, Intervention Research  
Dissertation Title: Increasing Use of Respirators through a Leadership-Based Intervention Model

**B. Master of Science in Public Health (MSPH): Industrial Hygiene;** May 2001; University of Utah, Rocky Mountain Center for Occupational and Environmental Health and School of Medicine; Salt Lake City, Utah.

**C. Baccalaureate Degree (B.S.): Zoology – Conservation Biology;** August 1998; Brigham Young University, College of Biology and Agriculture, Department of Zoology; Provo, Utah.

**D. Certifications:** Certified by the American Board of Industrial Hygiene in the comprehensive practice of industrial hygiene (CIH), October 2006. CIH #9232.

**E. Emergency Medical Technician (EMT-B):** Trained through the Utah Academy of Emergency Medicine, Draper, UT, December 2007.

**F. Certified Trainer:** OSHA 10-hr and 30-hr General Industry Safety and Health Class.

**III. PROFESSIONAL EXPERIENCE**

**A. Brigham Young University, July 2008 to present**

*Associate Professor of Occupational and Environmental Health*  
Department of Health Science  
College of Life Sciences  
Provo, UT

Instructor for occupational health & safety, toxicology, injury prevention, and health promotion courses.

Supervisor for six undergraduate and graduate students conducting mentored research.

**B. Utah Safety Council – affiliate of the National Safety Council**

Salt Lake City, Utah

*Occupational Health and Safety Instructor* for the following courses:

Fundamentals of Industrial Hygiene  
Safety Management Techniques  
Personal Protective Equipment  
Lockout/Tagout  
Safety Training Methods  
OSHA 10-hour and 30-hour Certificate Course  
Hazard Communication and GHS  
Principles of Occupational Safety and Health

**B. Workers Compensation Fund, January 2007 to June 2008**

Murray, Utah

*Senior Safety and Health Consultant*

Responsible for providing all aspects of occupational safety and health consultation services to a large client pool including industrial and construction companies, academic institutions, health care services, ski resorts and mining and oilfield companies.

**C. Eastman Kodak Company, January 2002 to January 2007**

Windsor, Colorado

*Site Industrial Hygienist and Safety Manager*

Responsible for all industrial hygiene programs, training and fieldwork with elimination, substitution and engineering controls for hazardous substances as top priority. Developed a new exposure assessment strategy for Eastman Kodak – Colorado Division. Site Radiation Safety Officer. Site program manager for confined space, lock out tag out, powered industrial trucks, fall protection, process safety management and asbestos. Lead injury/illness case management team with focus on prevention of injuries and illnesses. With new EHS vision, the OSHA Recordable Incident Rate decreased 3-fold from 2002 to 2007. Environmental Manager for solvent coating operations in Thermal and Digital Imaging Group. Site Incident Commander for HAZWOPER team. Site First Aid team member.

Supervisor of the Industrial Hygiene internship program with Colorado State University.

**D. OSHA Salt Lake Technical Center, November 1999 to June 2001**

Salt Lake City, Utah

*Industrial Hygiene Research Associate*

Team member for surface contamination method development. Developed the isocyanate surface sampling method to be used by OSHA compliance officers in the United States.

**E. R&R Environmental, Inc., May 2000 to June 2001**

Midvale, Utah

*Industrial Hygienist/Asbestos Inspector and Management Planner*

AHERA accredited and certified as Asbestos Inspector and Management Planner. Site Safety and Health Officer for asbestos abatement contractors. Responsible for final inspections and clearance sampling of asbestos abatement projects and employee training. Liaison for owners and contractors.

**F. Sundance Resort/Restaurants, October 1994 to June 2000**

Sundance, Utah

*Manager/Server – Tree Room Restaurant*

Supervisor for 15 employees in a 4-Star Restaurant.

**G. Bridal Veil Falls Tram and Resort, May 1991 to October 1992**

Provo Canyon, Utah

*Assistant Tram Manager/Grounds Manager*

Responsible for aerial tram operations including inspections and safety. Member of mountain rescue team. High angle technical rescue certified through Hansen Mountaineering, Inc.

**IV. HONORS**

**Fulbright Senior Specialist** – Awarded for research and teaching in Nepal, September 1 to October 12, 2016.

**Outstanding Internship Provider Award** – Presented to Eastman Kodak Company – Colorado Division’s Industrial Hygiene Program, 2004-2005.

**James D. DeField Memorial Scholarship**, AIHA Rio Grande/Rocky Mountain Sections, September 2002.

**NIOSH Fellowship** – Colorado State University, September 2001.

**Workers Compensation Fund Safe Workplace Scholarship**, September 2000.

**NIOSH Fellowship** – University of Utah Rocky Mountain Center for Occupational and Environmental Health, September 1999.

**V. PROFESSIONAL SOCIETIES AND COMMITTEES**

**Utah County Trauma Executive Committee (since 2012)**

**Utah Passenger Ropeway Safety Committee**

**State Board Member for Tram and Lift Safety (since 2010)**

**American Public Health Association (APHA)**

**Member – Injury Control and Emergency Health Services Committee**

**American Industrial Hygiene Association (AIHA)**

**Member – National Risk Assessment Committee (since 2008)**

**Member – Student and Early Career Professional Committee (2008-2012)**

**Member – International Affairs Committee (since 2014)**

**Workplace Health Without Borders**

**Member – Brick Kiln Committee**

**American Board of Industrial Hygiene (ABIH)**  
**American Society of Safety Engineers (ASSE)**  
**Vice-President – AIHA Colorado State Student Section (2001-2003)**

## **VI. SCHOLARSHIP**

### **Peer-reviewed Articles**

**Thygerson, S.M.**, Sanjel, S., Johnson, S.M. Occupational and environmental health hazard in the brick manufacturing industry in Kathmandu Valley, Nepal. *Occupational Medicine and Health Affairs*, 4: 248. doi:10.4172/2329-6879.1000248. 2016.

Sanjel, S., Khanal, S.N., **Thygerson, S.M.**, Joshi, S.K. Environmental and occupational pollutants and their effects on health among brick kiln workers. *Open Journal of Safety Science and Technology*, 6: 81-98. doi:10.4236/ojsst.2016.64008. 2016.

Sanjel, S., Khanal, S.N., **Thygerson, S.M.**, Khanal, K., Pun, Z, Tamang, S., Joshi, S.K. Airborne particulate matter and health conditions in brick kiln workers in Kathmandu Valley, Nepal. *Kathmandu Medical Journal*, 54. 2016.

Merrill, R.M., **Thygerson, S.M.** Attention deficit hyperactive disorder and injuries in adults. *Pharmacopsychiatry*, 49(2): 45-50. 2016.

Fabian, L.A., **Thygerson, S.M.**, Merrill, R.M. Longboarding injuries in Utah County. *Emergency Medicine International*, 14: doi:10.1155/2014/924381. 2014.

**Thygerson, S.M.**, West, J.H., Merrill, R.M. Field comparison of two sampling methods for triglycidyl isocyanurate. *Open Journal for Safety Science and Technology*. 3(4): 105-108. 2013.

**Thygerson, S.M.**, and Ou, J. Characterizing University and college student employee injuries: Methods and challenges. *Occupational Medicine & Health Affairs*. 1(4): 121-125. 2013.

Johnston, J. **Thygerson, S.M.**, Johnson, M. Quality of hand washing among BSL-2 laboratory workers. *Applied Biosafety*, 18(3): 116-121. 2013.

Steadman, M., Bush, J.K., **Thygerson, S.M.**, and Barnes, M.D. Graduated driver licensing provisions: An analysis of state policies and what works. *Traffic Injury Prevention*, DOI: 10.1080/15389588.2013.822493. 2013. 2013.

**Thygerson, S.M.**, Lindsay, A.R., West, J.H., Thygerson, A.L. CPR apps for iPhones: A content analysis. *Journal of Consumer Health on the Internet*, 17(3): 241-255. 2013.

Ou, J., **Thygerson, S.M.**: Identification of Risk Factors and Characterization of Workplace Injuries in a University Student Population. *Industrial Health*, 50(5): 445-449. 2012.

Morey, G.E., **Thygerson, S.M.**, McNaughton, C.R., West, J.H.: Residential Methamphetamine Contamination in Utah: Knowledge, Perceptions and Attitudes. *Utah's Health: An Annual Review*, 2012.

**Thygerson, S.M.**, West, J.H., Rassbach, A.R., Thygerson, A.L. iPhone apps for first aid: A content analysis. *Journal of Consumer Health on the Internet*, 16(2): 213-225. 2012.

Thomas, A.M., **Thygerson, S.M.**, Merrill, R.M., Cook, L.J.: Identifying work-related crashes in multiple data sources. *Traffic Injury Prevention*, 13: 348-354. 2012.

**Thygerson, S.M.** Hierarchy of hazard controls: Lessons learned. *Occupational Safety and Health*, Summer ed., 2012.

**Thygerson, S.M.**, Thygerson, A.L.: Making Decisions: Paired Comparison Analysis. *Health Education Teaching Technique Journal*, 2: 20-27. 2012.

**Thygerson, S.M.**, Merrill, R.M., Cook, L.J., Smith, A.: Comparison of factors influencing emergency department visits and hospitalization among drivers in work-related motor vehicle crashes in Utah, 1999-2005. *Accident Analysis and Prevention*, 43: 209-213. 2011.

**Thygerson, S.M.**, Merrill, R.M., Cook, L.J., Smith, Thomas, A., Wu, A.: Epidemiology of Motor Vehicle Crashes in Utah. *Traffic Injury Prevention*, 12 (1): 39-47. 2011.

Merrill, R.M., **Thygerson, S.M.**, Anderson, A. Effectiveness of a Worksite Wellness Program on Health Behaviors and Personal Health. *Journal of Occupational and Environmental Medicine*, 53(9): 1008-1012. 2011.

**Thygerson, S.M.**, Merrill, R.M. Traffic Citations According to Selected Demographics, Behaviors, and Injury Severity Factors among Drivers Involved in Crashes in Utah. *The Chronicle for Professional Driver Educators*, 58: 16-25. 2011.

West, J.H., Hall, P.C., **Thygerson, S.M.**, Edwards, E.S., Bennion, S.R., Bennet, C.: Hispanic Adolescents' Behavioral Intentions to Avoid Texting While Driving: An Application of the Theory of Planned Behavior *American Journal of Health Studies*, 26(1): 37-44. 2011.

### **Articles in Process**

Sanjel, S. **Thygerson, S.M.** Silica exposure among brick kiln workers in Nepal. 2016

Sanjel, S., Khanal, S.N., **Thygerson, S.M.**, Johnston, J., Joshi, S.K. Ergonomic hazards associated with brick kiln manufacturing. Submitted to *Annals of Occupational and Environmental Medicine*. 2017.

**Thygerson, S.M.**, Merrill, R.M. Helmet use among motorcycle drivers and riders in Nepal. 2017.

Johnston, J.D., **Thygerson, S.M.**: Hand and face hygiene practices in healthcare laboratories. 2014.

**Thygerson, S.M.**, Phillips, A. Injuries at commercial trampoline gyms. 2016.

Johnston, J.D., **Thygerson, S.M.**, Rogler, E., Starr, H., and Walton, C. Residential asthma interventions. 2013.

**Thygerson, S.M.**, Merrill, R.M. Occupational injuries among ski resort employees. 2016.

### **Books**

Thygerson, A.L., **Thygerson, S.M.**, Backer, H.D., Bowman, W.D., Paton, B.C., Steele, P.: *Wilderness First Aid, Emergency Care for Remote Locations*, 4<sup>th</sup> Ed. Sudbury, MA: Jones & Bartlett Publishing, 2013.

Thygerson, A.L., **Thygerson, S.M.**, Gulli, B., Piazza, G.: *First Aid, CPR and AED – Advanced, Sixth Ed.* Sudbury, MA: Jones & Bartlett Publishing, 2011.

Thygerson, A.L., **Thygerson, S.M.**: *First Aid, CPR and AED Guide*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.**: *First Aid*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.** *CPR and AED*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.** *First Aid, CPR and AED: Essentials*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.** *First Aid, CPR and AED: Standard*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.** *First Aid Field Guide*. Burlington, MA: Jones & Bartlett Learning, 2011.

Thygerson, A.L., **Thygerson, S.M.**: *Fit To Be Well: Essential Concepts*, 3<sup>rd</sup> Ed. Sudbury, MA: Jones & Bartlett Publishing, 2009.

Thygerson, A.L., **Thygerson, S.M.**, Thygerson, J.S.: *Injury Prevention: Competencies for Unintentional Injury Prevention Professionals*, 3<sup>rd</sup> Ed. Sudbury, MA: Jones & Bartlett Publishing, 2008

Backer, H.D., Bowman, W.D., Paton, B.C., Steele, P., Thygerson, A.L., **Thygerson, S.M.**: *Wilderness First Aid, Emergency Care for Remote Locations*, 3<sup>rd</sup> Ed. Sudbury, MA: Jones & Bartlett Publishing, 2007.

Thygerson, A.L., **Thygerson, S.M.**: *Wilderness First Aid Field Guide*, 1<sup>st</sup> Ed. Sudbury, MA: Jones & Bartlett Publishing, 2006

### **Other Publications**

Rassbach, A.R. & **Thygerson, S.M.** Epigenetics: What occupational health needs to know. *WHO Global Occ. Health Network*, No. 25, Winter, 2014.

**Thygerson, S.M.**, Lawrence, R.: Determination of a Surface Sampling and Analytical Method for 1,6-Hexamethylene Diisocyanate, Method No. W4002, OSHA Salt Lake Technical Center, U.S. Department of Labor, Salt Lake City, UT, 2002.  
<http://osha.gov/dts/sltc/methods/validated/w4002/w4002.html>

### **Peer-reviewed Presentations (National)**

Sanjel, S., **Thygerson, S.M.**, Carter, W. Similar Exposure Groups among Brick Kiln Workers in Nepal. American Industrial Hygiene Conference and Exposition. Baltimore, MD. May, 2016.

Merrill, R.M., **Thygerson, S.M.**, Brutsch, E. "Mental illness among acute burn patients." Annual Meeting of the American Public Health Association. Boston, MA. 2013.

Cowan, L., Magnussen, B., **Thygerson, S.** "Cell phone use while driving; How Utahns' risk perceptions and attitudes influence behavior across demographic factors." Annual Meeting of the American Public Health Association. Boston, MA. 2013.

Fabian, LA, **Thygerson, S.M.**, Merrill, R.M. "Longboarding injuries in Utah County." Annual Meeting of the American Public Health Association. Boston, MA. 2013.

Steadman, M., Bush, J.K., **Thygerson, S.M.**, and Barnes, M.D. "Graduated driver licensing provisions: An analysis of state policies and what works." Annual Meeting of the American Public Health Association. Boston, MA. 2013.

**Thygerson, S.M.**, Lindsay, A.R., West, J.H., Thygerson, A.L. "iPhone apps for CPR: A content analysis." Annual Meeting of the American Public Health Association. San Francisco, CA. October, 2012.

Lindsay, A.R., **Thygerson, S.M.**, West, J.H., Thygerson, A.L. "iPhone apps for CPR: A content analysis." Emergency Cardiovascular Care Update. Orlando, FL. September, 2012.

Thomas, A.M., **Thygerson, S.M.**, Merrill, R.M., Cook, L.J. "Identifying Work-Related Motor Vehicle Crashes in Multiple Data Sources." Annual Meeting of the American Public Health Association. Washington, DC. November, 2011.

Rassbach, A.R., **Thygerson, S.M.** "Epigenetics and Human Disease: What Occupational Health needs to know." Annual Meeting of the American Public Health Association. Washington, DC. November, 2011.

Morey, G.E., **Thygerson, S.M.**, West, J.H., McNaughton, C. "Residential methamphetamine contamination: Knowledge, perceptions and attitudes." Annual Meeting of the American Public Health Association. Washington, DC. November, 2011.

**Thygerson, S.M.**, Johns, G., Ou, J. University student employees: What were they thinking?" University Risk Management and Insurance Association Conference. Portland, OR. September, 2011.

**Thygerson, S.M.**, Merrill, R.M., Cook, L.J., Thomas, A.M. "Comparison of Factors Influencing Emergency Department Visits and Hospitalization among Drivers in Work and

Nonwork-related Motor Vehicle Crashes in Utah, 1999-2005.” Annual Meeting of the American Public Health Association. Denver, CO. November, 2010.

**Thygerson, S.M.,** Ou, J. “Characterizing University Student Employee Injuries: Methods and Challenges.” Annual Meeting of the American Public Health Association. Denver, CO. November, 2010.

Ou, J., **Thygerson, S.M.** “Risk Factors for Student Employee Injury.” Annual Meeting of the American Public Health Association. Denver, CO. November, 2010.

**Thygerson, S.M.,** Merrill, R.M., West, J.H., Welling, R. “Field Comparison of Two Sampling Methods for Triglycidyl Isocyanurate (TGIC).” American Industrial Hygiene Conference and Exposition, Denver, CO. May, 2010.

**Thygerson, S.M.,** Merrill, R.M., Cook, L.J., Thomas, A. “Utah Crash Outcome Data Evaluation System (CODES): A Potential Tool for Evaluation of Work-Related Motor Vehicle Crashes.” International Conference on Road Safety at Work, Washington, DC. February, 2009.

**Thygerson, S.M.** “Determination of a Surface Sampling and Analytical Method for 1,6-Hexamethylene Diisocyanate”, American Industrial Hygiene Association Conference and Exposition, San Diego, CA, June 2002.

#### **Presentations (International)**

Parker, D., **Thygerson, S.M.,** Sanjel, S. Silica exposures and tuberculosis among brick Kiln workers in Nepal. Epidemiology in Occupational Health Conference (EPICOH). Barcelona, Spain. 2016.

**Thygerson, S.M.** Noise-induced hearing loss in the workplace. Kathmandu University Forum, Dhulikhel, Nepal. January, 2016.

**Thygerson, S.M.** Investigating links between environmental pollutions and occupational health hazards among brick kiln workers in Kathmandu Valley. Webinar for Workplace Health Without Borders (WHWB) organization. Toronto. May, 2015.

**Thygerson, S.M.** Fundamentals of occupational health. Taught at Kathmandu University, Dhulikhel, Nepal. 2015.

**Thygerson, S.M.** Physicians role in occupational health. Taught at Dhulikhel Teaching Hospital, Dhulikhel, Nepal. 2015.

#### **Invited Presentations (State)**

Fabian, L., **Thygerson, S.M.,** Merrill, R.M. Longboarding injuries. Excellence in Trauma and Critical Care, Salt Lake City, UT. September, 2015.

**Thygerson, S.M.** Scaling mountains to reduce workplace motor vehicle crashes. Utah Safety Council. May, 2015.



**Thygerson, S.M.**, Hatch, A. “Reducing work-related motor vehicle crashes.” Utah Conference on Safety and Industrial Hygiene, Salt Lake City, UT. October, 2014.

**Thygerson, S.M.** “Hazards associated with isocyanates”. Utah Safety Council. October 2014.

Lindsay, A.R., **Thygerson, S.M.**, West, J.H., Thygerson, A.L. “iPhone apps for CPR: A content analysis.” Utah Public Health Association Conference, Sandy, UT. April, 2012.

Rassbach, A.R., **Thygerson, S.M.** “Epigenetics and Human Disease: What Public Health needs to know.” Utah Public Health Association Conference, Sandy, UT. April, 2011.

**Thygerson, S.M.** “The Real Costs of Motor Vehicle Crashes to Employers.” Traffic Safety Management Seminar, Utah Network of Employers for Traffic Safety. Salt Lake City, UT. June, 2010.

**Thygerson, S.M.**, Thygerson, A.L. “Learning is not a Spectator Sport.” Health Education Association of Utah, Salt Lake City, UT. March, 2010.

**Thygerson, S.M.** “Office Ergonomics”, CPCU Annual Meeting, Salt Lake City, UT, August 2007.

**Thygerson, S.M.** “Confined Space Safety Techniques”, 24<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, UT, October 2007.

#### **Invited Presentations (Local)**

Rassbach, A.R., **Thygerson, S.M.** “Epigenetics and Human Disease: What Public Health needs to know.” Global Family Health Conference, Provo, UT. March 2011.

**Thygerson, S.M.** “Occupational Health.” BYU Public Health Association Annual Conference, Provo, UT. April, 2011.

**Thygerson, S.M.**, Merrill, R.M. “University Student Employee Health and Safety.” Risk Management and Safety Conference, Provo, UT. August, 2009.

**Thygerson, S.M.** “OSHA’s Top Ten”, Risk Management and Safety Conference, Provo, UT. August 2008.

### **VII. UNIVERSITY AND CONTINUING EDUCATION TEACHING**

**Occupational Health** – Kathmandu University, School of Medical Sciences. Fall 2016, 75 students.

**Occupational Health** – Kathmandu University, School of Science. Fall 2016, 25 undergraduate students.

**Toxicology** – Kathmandu University, School of Medical Sciences. Fall 2016. 18 masters in nursing students.

**Toxicology (HLTH 426)** – Brigham Young University (new prep Fall 2012, 25 students)

**Occupational Safety and Health (HLTH 424)** – Brigham Young University (25-45 students per semester)

**Injury and Violence Prevention (HLTH 420)** – Brigham Young University (45-65 students per semester)

**Foundations of Public Health and Health Promotion (HLTH 600)** – Brigham Young University (12-15 graduate students)

**Air Sampling for Toxic Substances** – University of Utah (15 students)

**Temperature Stress Evaluation and Control** – Colorado State University (8 students)

**Fundamentals of Industrial Hygiene** – University of Utah (8 students)

**Asbestos Inspector Course** – University of Utah (40 students)

**Asbestos Inspector Course** – Riverton City (30 students)

## **VIII. PERSONAL**

Married to Adrienne (Poulsen) Thygerson. 4 children: Jakob, Tanner, McKinley and Anders

Served Full-time LDS Church mission to Recife, Brazil, 1992-1994.

Eagle Scout, Scoutmaster, Cub Scout Den Leader, Varsity Scout Coach.

Enjoys skiing, golf, rock and mountain climbing and geocaching.

Coaches youth sports – baseball and U13 girls competitive soccer.

Coach for First Lego League Robotics Competition (Champions Award 2010, 2011, 2012).

Regional champion 2014; Innovative Solutions award 2014.

Safety mentor for FIRST FRC high school robotics team, 2014-2015.

Speaks Portuguese and Spanish.