# Kimberly A. Hochstedler
**Curriculum Vitae**

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**CV Updated:** 02/15/2021

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## EDUCATION

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| 2020 - 2024 | Ph.D. in Statistics<br>Cornell University, Ithaca, NY<br>GPA: 4.07 |
| 2018 - 2020 | M.S. in Biostatistics<br>University of Michigan, Ann Arbor, MI<br>GPA: 4.00 |
| 2014 - 2018 | B.S. in Statistics and Psychology<br>Carnegie Mellon University, Pittsburgh, PA<br>GPA: 4.00<br>Awarded with University and College Honors, *Phi Beta Kappa*<br>*Thesis: Self-Disclosure among Emerging Adults with Depression and/or Anxiety* |

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## RESEARCH EXPERIENCE

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| 2018 - 2020 | Graduate Student Research Assistant with the Michigan Radiation Oncology Quality Consortium (MROQC)<br>*University of Michigan, Department of Radiation Oncology*<br>**Advisor:** Matthew Schipper, Ph.D. |
| 2019 - 2020 | Graduate Student Researcher in Clinical Trials<br>*University of Michigan, Department of Biostatistics*<br>**Advisors:** Kelley Kidwell, Ph.D. and Tom Braun, Ph.D. |
| 2017 | Summer Intern<br>*National Institute of Child Health and Human Development, Epidemiology Branch*<br>**Advisor:** Edwina Yeung, Ph.D. |

| 2015 - 2018 | Student Researcher in the Gender, Relationships, and Health Lab |
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| | *Carnegie Mellon University, Department of Psychology* |
| | **Advisor:** Vicki Helgeson, Ph.D. |
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| 2015 | Summer Institute for Traning in Biostatistics (SIBS) Student |
| | *University of Wisconsin - Madison, Department of Statistics* |

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## RESEARCH AND TRAVEL GRANTS

| 2020 | Conference Travel Award (University of Michigan, $800) |
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| 2018 | Conference Travel Award (Carnegie Mellon University, $250) |
| 2017 | Small Undergraduate Research Grant, awarded twice (Carnegie Mellon University, $500 each) |
| 2016 | Summer Undergraduate Research Fellowship (Carnegie Mellon University, $3,500) |
| 2016 | Conference Travel Award (Carnegie Mellon University, $250) |

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## HONORS AND AWARDS

| 2019 | Richard G. Cornell Fellowship ($500) |
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| | *For outstanding academic performance in the UM Department of Biostatistics* |
| 2018 | NCAA Woman of the Year Nominee |
| 2018 | NCAA Post-Graduate Scholarship ($7,500) |
| 2018 | Carnegie Mellon University Department of Psychology Oral Presentation Competition at Meeting of the Minds - 1st place ($250) |
| 2018 | Carnegie Mellon Athletics Leadership Development Program |
| 2018 | Judith A. Resnik Award ($1,000) |
| 2018 | Dr. William Brown Academic Athletic Achievement Award |
| | *Awarded to the CMU female student-athlete with the highest cumulative GPA* |
| 2018 | Gretchen Goldsmith Lankford Award ($2,500) |
| 2018 | Carnegie Mellon Women's Association Scholarship Winner ($1,000) |
| 2017 | Andrew Carnegie Society Scholar ($1,500) |
| 2017 | Carnegie Mellon University, Dietrich College Senior Honors Program |
| 2017 | Statistical Graphics and Visualization (Carnegie Mellon University, Department of Statistics) - Top Presenter Award |
| 2017 | Carnegie Mellon University Department of Psychology Poster Presentation Competition at Meeting of the Minds - 1st place ($200) |
| 2017 | Carnegie Mellon University Department of Statistics Poster Presentation Competition at Meeting of the Minds - 1st place ($500) |
| 2014 | National Merit Scholarship Finalist |
| 2014 - 2018 | Carnegie Mellon University Dean's List |
| 2013 | Carnegie Mellon University Science and Humanities Scholars Program |

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## PUBLICATIONS

* First authors contributed equally, # Primary investigators contributed equally

### Peer Reviewed Manuscripts

[1] Hartman, H. E., Yilun, S., Devasia, T., Chase, E., Jairath, N., Dess, R. T., Jackson, W. C., Morris, E., Li, P., **Hochstedler, K. A.**, Abbott, M., Kidwell, K. M., Walter, V., Wang, M., Wang, X., Zaorsky, N., #Schipper, M. J., and #Spratt, D. E., "Integrated Survival Estimates from Cancer Treatment Delay during the COVID-19 Pandemic," *JAMA Oncology*, pp. 1881–1889, Dec. 2020. DOI: 10.1001/jamaoncol.2020.5403.

[2] *Fang, F., **\*Hochstedler, K. A.**, Tamura, R., Braun, T. M., and Kidwell, K. M., "Bayesian Methods to Compare Dose Levels to Placebo in a Small n Sequential Multiple Assignment Randomized Trial (snSMART)," *Statistics in Medicine*, vol. 40, no. 4, pp. 963–977, Nov. 2020. DOI: 10.1002/sim.8813.

[3] **Hochstedler, K.A.**, Bell, G., Park, H., Ghassabian, A., Bell, E. M., Sundaram, R., Grantz, K. L., and Yeung, E. H., "Gestational Age at Birth and Risk of Developmental Delay: The Upstate KIDS Study," *American Journal of Perinatology*, pp. 1–8, Mar. 2020. DOI: 10.1055/s-0040-1702937.

### Submitted

[1] *McFarlane, M. R., **\*Hochstedler, K. A.**, Laucis, A. M., Sun, Y., Chowdhury, A., Matuszak, M. M., Hayman, J. A., Bergsma, D. P., Boike, T. P., Kestin, L. L., Movsas, B., Grills, I. S., Dominello, M. M., Dess, R. T., Schonewolf, C., Spratt, D. E., Pierce, L. J., Paximadis, P. A., #Schipper, M. J., and #Jolly, S., "Predictors of Pneumonitis after Lung Cancer Radiotherapy," 2020.

### In Preparation

[1] Wilkie, J. R., **Hochstedler, K. A.**, Schipper, M. J., Matuszak, M. M., Paximadis, P. A., Dominello, M. M., Grills, I. S., Hayman, J. A., Dess, R. T., Pierce, L. J., Spratt, D. E., Bergsma, D. P., Boike, T. P., Movsas, B., and Jolly, S., "Association between Adverse Events and Quality of Life in Patients Treated with Definitive Radiotherapy for Locally Advanced Lung Cancer in a Statewide Consortium," 2020.

[2] Laucis, A. M., **Hochstedler, K. A.**, Schipper, M. J., Paximadis, P. A., Boike, T. P., Bergsma, D. P., Spratt, D. E., Dess, R. T., Mietzel, M. A., Dominello, M. M., Matuszak, M. M., Jagsi, R., Hayman, J. A., Pierce, L. J., and Jolly, S., "Racial Differences in Toxicity in Non-Small Cell Lung Cancer Patients Treated with Thoracic Radiation Therapy," 2020.

[3] Boike, T. P., **Hochstedler, K. A.**, Laucis, A. M., Movsas, B., Stevens, C. W., Kestin, L. L., Devisetty, K., Dominello, M. M., Wilkie, J. R., Grills, I. S., Matuszak, M. M., Hayman, J. A., Paximadis Peter A Pierce, L. J., and Jolly, S., "Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent," 2020.

### Abstracts

Presenter listed as first author

[1] Laucis, A. M., **Hochstedler, K. A.**, Boike, T. P., Movsas, B., Stevens, C. W., Kestin, L. L., Devisetty, K., Dominello, M. M., Wilkie, J. R., Grills, I. S., Matuszak, M. M., Hayman, J. A., Paximadis, P. A., Pierce, L. J., and Jolly, S., *Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent*, Multidisciplinary Thoracic Cancers Symposium, Scottsdale, AZ, Dec. 2020, Submitted.

[2] Herr, D., **Hochstedler, K. A.**, Dess, R. T., Matuszak, M. M., Grubb, M., Dominello, M. M., Kestin, L. L., Bergsma, D. P., Grills, I. S., Hayman, J. A., Paximadis, P. A., Schipper, M. J., and Jolly, S., *Effect of Education and Standarization of Cardiac Dose Constraints on Heart Dose in Lung Cancer Patients Receiving Definitive Radiation Therapy Across a Statewide Consortium*, Multidisciplinary Thoracic Cancers Symposium, Scottsdale, AZ, Dec. 2020, Submitted.

[3] McFarlane, M. R., **Hochstedler, K. A.**, Laucis, A. M., Sun, Y., Chowdhury, A., Matuszak, M. M., Hayman, J. A., Bergsma, D. P., Boike, T. P., Kestin, L. L., Movsas, B., Grills, I. S., Dominello, M. M., Dess, R. T., Schonewolf, C., Spratt, D. E., Pierce, L. J., Paximadis, P. A., #Schipper, M. J., and #Jolly, S., *Predictors of Pneumonitis after Lung Cancer Radiotherapy*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Quick Pitch.

[4] Laucis, A. M., **Hochstedler, K. A.**, Schipper, M. J., Paximadis, P. A., Boike, T. P., Bergsma, D. P., Spratt, D. E., Dess, R. T., Mietzel, M. A., Dominello, M. M., Matuszak, M. M., Jagsi, R., Hayman, J. A., Pierce, L. J., and Jolly, S., *Racial Differences in Toxicity in Non-Small Cell Lung Cancer Patients Treated with Thoracic Radiation Therapy*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Poster.

[5] Boike, T. P., **Hochstedler, K. A.**, Laucis, A. M., Movsas, B., Stevens, C. W., Kestin, L. L., Devisetty, K., Dominello, M. M., Wilkie, J. R., Grills, I. S., Matuszak, M. M., Hayman, J. A., Paximadis Peter A Pierce, L. J., and Jolly, S., *Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Poster.

[6] Wilkie, J., **Hochstedler, K. A.**, Schipper, M., Matuszak, M., Paximadis, P., Dominello, M., Grills, I., Hayman, J., Dess, R., Pierce, L., Spratt, D., Bergsma, D., Movsas, B., and Jolly, S., "Association between Adverse Events and Quality of Life in Patients Treated with Radiotherapy for Locally Advanced Non-Small Cell Lung Cancer," *International Journal of Radiation Oncology\*Biology\*Physics*, vol. 105, no. 1, Supplement, S95–S96, Sep. 2019, Proceedings of the Amercian Society for Radiation Oncology 61st Annual Meeting, ISSN: 0360-3016. DOI: https://doi.org/10.1016/j.ijrobp.2019.06.575, Oral Presentation.

[7] Jolly, S., **Hochstedler, K. A.**, Paximadis, P., Hayman, J., Dominello, M., Burmeister, J., Grills, I., Dess, R., Dragovic, A., Movsas, B., Ajlouni, M., Fraser, C., Kestin, L., Wilson, M., Bergsma, D., Spratt, D., Moran, J., Pierce, L., Schipper, M., and Matuszak, M., "Changing practice patterns in the radiation treatment delivery for locally advanced lung cancer: Results from a statewide consortium," *International Journal of Radiation Oncology\*Biology\*Physics*, vol. 105, no. 1, Supplement, E488, Sep. 2019, Proceedings of the Amercian Society for Radiation Oncology 61st Annual Meeting, ISSN: 0360-3016. DOI: https://doi.org/10.1016/j.ijrobp.2019.06.1387, Poster.

[8] Jaworski, E., **Hochstedler, K. A.** Dominello, M. M., Heimburger, D., Mancini, T., Boike, T. P., Schipper, M. J., Griffith, K., Moran, J., Pierce, L. J., Hayman, J. A., McLaughlin, P., V, N., Mismani, M., Paximadis, P. A., Jones, N., Jolly, S., P, C., T, D. R., and Spratt, D. E., *Contemporary Practice Patterns for Intact and Post-Operative Prostate Cancer: Results from a Statewide Collaborative*, American Society for Radiation Oncology (ASTRO), Chicago, IL, Sep. 2019, Poster.

[9]   Helgeson, V. S., **Hochstedler, K. A.**, and Essien, I., *Effects of Manipulated Communal Coping on Dating Couples Coping with a Stressor*, International Association of Relationship Research, Toronto, Canada, Jul. 2016, Oral Presentation.

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## PRESENTATIONS

### Contributed - Oral

[1]   **Hochstedler, K. A.**, Fang, F., Tamura, R., Braun, T. M., and Kidwell, K. M., *Bayesian Methods to Compare Dose Levels to Placebo in a Small n Sequential Multiple Assignment Randomized Trial (snSMART)*, Eastern North American Region (ENAR) International Biometric Society, Virtual, Mar. 2020.

[2]   **Hochstedler, K. A.**, *Self-Disclosure among Emerging Adults with Depression and/or Anxiety*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2018.

[3]   **Hochstedler, K. A.**, *What You Say Matters: Associations between Pronoun Use, Relationships, and Health*, Science and Humanities Scholars Summer Colloquium at Carnegie Mellon University, Pittsburgh, PA, Jul. 2016.

[4]   **\*Hochstedler, K. A.** and Foster, M. J., *Analysis of PROMISE*, Summer Institute for Training in Biostatistics Student Presentations, Madison, WI, Jul. 2015.

### Poster

[1]   **\*Hochstedler, K. A.** and \*Zhang, J., *Association of PPI and H2RA Medication use with Outcomes in Head and Neck Squamous Cell Carcinoma (HNSCC)*, Biostatistics Capstone Poster Session, Virtual, Apr. 2020.

[2]   **\*Hochstedler, K. A.**, \*Jeet, Y., \*Kang, M., and \*Mahler, S., *Does the Timing of Rewards affect Children's Task Performance and Motivation?* Psychology Research Methods Poster Session at Carnegie Mellon University, Pittsburgh, PA, May 2018.

[3]   **Hochstedler, K. A.**, Helgeson, V. S., and Seltman, H., *Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes*, Society of Behavioral Medicine, New Orleans, LA, Apr. 2018.

[4]   **\*Hochstedler, K. A.**, \*Idera, S., and \*Rolland, M., *Performance and Motivation on Tests of Emotional Intelligence: Gender Differences in Interest and Engagement*, Psychology Research Methods Poster Session at Carnegie Mellon University, Pittsburgh, PA, Dec. 2017.

[5]   **Hochstedler, K. A.**, Bell, G., Park, H., Ghassabian, A., Bell, E. M., Sundaram, R., Grantz, K. L., and Yeung, E. H., *Gestational Age at Birth and Early Childhood Development: The Upstate KIDS Study*, NIH Summer Research Program Poster Day, Bethesda, MD, Aug. 2017.

[6]   **Hochstedler, K. A.**, *Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2017.

[7]   **\*Hochstedler, K. A.**, *Self-disclosure among Emerging Adult Survivors of Childhood Illness*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2017.

[8]   **\*Hochstedler, K. A.**, \*Black, A., \*Chung, C., and \*Vigliotti, T., *What makes a Great Olympian? Analysis of the 2016 Olympics*, Statistical Graphics and Visualization Poster Session at Carnegie Mellon University, Pittsburgh, PA, Apr. 2017.

[9]  **Hochstedler, K. A.**, Helgeson, V. S., Zajdel, M., Seltman, H., Korytkowski, M., and Haus-mann, L., *Relations of Couples' Communal and Noncommunal Language to Support and Self-care for People with Type 2 Diabetes*, Society of Behavioral Medicine, Washington D.C. Apr. 2016.

[10] **\*Hochstedler, K. A.** and \*Essien, I., *Problem Solving among Dating Couples*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2015.

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## SOFTWARE

**Pneumonitis Prediction App (http://ppa.mroqc.org/):** Web-based app to estimate the risk of developing pneumonitis in lung cancer patients, based on treatment and clinical characteristics. Designed to aid in radiation treatment planning.

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## TEACHING EXPERIENCE

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| 2021 | Graduate Teaching Assistant<br>*Cornell University, Department of Statistics and Data Science*<br>**Course:** Biological Statistics II<br>**Professor:** Jeremy Entner, Ph.D. |
| 2020 | Graduate Teaching Assistant<br>*Cornell University, Department of Statistics and Data Science*<br>**Course:** Statistical Methods I (Graduate Level)<br>**Topics Covered:** descriptive statistics, data visualization, probability, point and interval estimation, inference for a single population, ANOVA, simple and multiple linear regression<br>**Professor:** Sumanta Basu, Ph.D.<br>*Average student rating: 4.89 / 5* |
| 2019 - 2020 | Course Designer<br>*University of Michigan, Department of Nutrition*<br>**Course:** Hungry in America - Building Skills to Feed Communities<br>**Professors:** Kate Bauer, Ph.D. and Susan Aaronson, M.A., R.D. |
| 2019 | Student in Effective Teaching in Public Health Course<br>*University of Michigan, School of Public Health*<br>**Topics Covered:** Teaching philosophy, backward course design, SoTL, syllabus development, teaching demonstration<br>**Professor:** Olivia Anderson, Ph.D. |
| 2018 | Undergraduate Teaching Assistant<br>*Carnegie Mellon University, Department of Psychology*<br>**Course:** Biological Foundations of Behavior<br>**Professor:** Marlene Behrmann, Ph.D. |
| 2017 | Undergraduate Teaching Assistant |

*Carnegie Mellon University, Department of Psychology*
**Course:** Social Psychology
**Professor:** Vicki Helgeson, Ph.D.

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## SERVICE

- Peer Mentoring Committee, Department of Biostatistics, University of Michigan (2019-2020)

- Student Co-Organizer, First-year Student Retreat, Department of Biostatistics, University of Michigan (2019)

- Student Coordinator, Big Data Summer Institute, University of Michigan (2019)

- Diversity, Equity, and Inclusion Ph.D. Student Retreat Planning Committee (2019)

- Undergraduate Research Symposium Poster Judge, University of Michigan (2019)

- Admissions Ambassador, School of Public Health, University of Michigan (2018-2020)

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## ADDITIONAL TRAINING

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| 2020 - 2025 | Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research<br>Cornell University, Ithaca, NY |
| 2020 - 2023 | Program for Education and Evaluation in Responsible Research and Scholarship (PEERRS) Certification in Responsible Conduct of Research<br>University of Michigan, Ann Arbor, MI |
| 2018 | Approaches to the Responsible Practice of Biostatistics<br>University of Michigan, Ann Arbor, MI |
| 2016 | Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research<br>Carnegie Mellon University, Pittsburgh, PA |

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## PROFESSIONAL MEMBERSHIPS

Eastern North American Region, International Biometric Society (2020)
Society of Behavioral Medicine (2018)