



## **CURRICULUM VITAE**

**Andrew G. Chapple**

**Current Title:** Assistant Professor in Biostatistics

**Business Address:**

School of Public Health  
3<sup>rd</sup> floor, 2020 Gravier St  
New Orleans, LA 70112

**Business Telephone and Fax:**

**Business email Address:** [achapp@lsuhsc.edu](mailto:achapp@lsuhsc.edu)

**Education:**

Undergraduate:

B.S. Louisiana State University, May 2012  
Major: Mathematics

**Graduate:**

M.Ap.St, Louisiana State University, May 2014  
Major: Applied Statistics

M.S., Rice University, May 2018  
Major: Statistics

Ph.D., Rice University, May 2018  
Major: Statistics

**Academic, Professional, and Research Appointments:**

Lab Lecturer, Department of Experimental Statistics, Louisiana State University, 2012-2014

Teaching Assistant, Department of Statistics, Rice University, 2014-2016

Trainee, Department of Biostatistics, MD Anderson Cancer Center, 2015-2018

Biostatistics Assistant Professor, School of Public Health, Louisiana State University,  
School of Public Health, New Orleans, LA (2018-Present)

### **Membership in Professional Organizations:**

Society of Clinical Trials (2018-2019)

### **Awards and Honors:**

2019 Best Paper in Biometrics by an IBS Member:

### **Best Paper in Biometrics by an IBS Member**

The award is given by the IBS biennially to one Biometrics paper from each of the previous two years identified by the co-editors as being of the highest quality and importance.

- 2020 – Andrew G. Chapple and Peter F. Thall | Title: A hybrid Phase I-II/III clinical trial design allowing dose re-optimization in Phase III ([75: 371-381, 2019](#))
- 2020 – John D. Rice, Robert L. Strawderman, and Brent A. Johnson | Title: Regularity of a renewal process estimated from binary data ([74: 566-574, 2018](#))

[HTTPS://WWW.BIOMETRICSOCIETY.ORG/ABOUT/HONORS-AWARDS](https://www.biometricsociety.org/about/honors-awards)

NIH T32: Cancer Training Grant 2014-2016

OFDA 2016 Scholarship

Travel Award, O'Bayes Conference, 2017. Awarded for "Bayesian variable selection for a semi-competing risks model with three hazard functions.

LSUHSC Faculty Assembly Service Award 2021

## **TEACHING EXPERIENCE AND RESPONSIBILITIES**

### **Course/Clerkship/Residency or Fellowship/CME Directorships**

Course director for several 3 credit hour BIOS courses. Responsibilities include lecturing, grading, and developing syllabuses, homework, and tests.

Fall 2018:

BIOS 6318 – Nonparametric Statistics (3 hours)

Spring 2019:

BIOS 6310 – Applied Bayesian Methods (3 hours)

Fall 2019:

BIOS 6210 – Categorical Data Analysis (3 hours)

BIOS 6300 – Statistical Computing (3 hours)

Spring 2020:

BIOS 7318 – Statistical Learning (3 hours)

Fall 2020:

BIOS 6210 – Categorical Data Analysis (3 hours)

BIOS 6318 – Nonparametric Statistics (3 hours)

Spring 2021:

BIOS 6310 – Applied Bayesian Methods (3 hours)

### **Formal Course Responsibilities**

Guest Lecture, Louisiana Cancer Center, Department of Oncology.  
(2 hours, 2019)

Touro Hospital, Department of OBGYN.  
(1 hour, 2019)

Children's Hospital  
(2 hours, 2019)

Woman's Hospital  
(1 hour, 2019-2021)

### **Undergraduate, Medical, or Graduate Students Trained:**

Neil Rosenbaum – MS Biostatistics - May 2021. “Proxy variables reduce bias due to unmeasured confounders associated with dichotomous outcomes: A simulation study.”

Ravan Moret – MS Biostatistics - May 2021. “Analysis of the effects of adjusting for binary non-confounders in a logistic regression model: A simulation study”

Erick Nguyen - MS Biostatistics - May 2021. “Exploration of Propensity Score Adjustment in Logistic Regression via Simulation Study.”

Soham Mahato – PhD Biostatistics. Expected graduation May 2022.

### **Thesis and Dissertation Committees:**

Wentao Cao – PhD Biostatistics Committee

## **RESEARCH AND SCHOLARSHIP**

**Grants and Contracts:** *(note role on grant or clinical trial; i.e. PI, co PI, consultant, etc.)*

### **Funded**

OREF - JRGOS Health Disparities Research in Orthopedics: Jennifer Simkin (PI)

Dates: 07/01/20 - 06/30/21

Title: Integrating clinical, social and biological data to assess TKA risk

Role: CO-PI and Statistician

Effort: 0%

Direct Costs: \$10,000

NSF – Office of Advanced Cyberinfrastructure: Christopher Taylor, PI

Dates: 07/15/20 - 06/30/22

Title: CC\* Compute: Compute Cluster for Computational Sciences at Louisiana State University Health Sciences Center

Role: CO-PI

Effort: 0%

Direct Costs: \$399,458.00

### **Recent non-funded applications:**

National Institute of Health, PA-20-185

NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)

Dates: 07/01/2021 – 06/30/2026

Application Identifier: 856555

Title: Bayesian Methods for Orthopedic Electronic Health Record Databases

Role: PI

Effort: 40% over years 1-3, 14% effort over years 4-5

Direct and Undirect Costs: \$220,500.00

Percentile: Not Discussed

Impact Score: Not Discussed

National Institute of Health, PA-19-056

Parent R01 Project Grant

Dates: 04/01/2020-03/31/2025

Application Identifier: 549863

Title: Hybrid Multiphase Designs for Treatment Refinement and Evaluation

Role: PI

Effort: Year 1 – 6 Cal Mo, Year 2 – 5.4 Cal Mo, Year 3-5 – 5.04 Cal Mo

Direct and Undirect Costs: \$385, 668.00

Percentile: 46

Impact Score: 54

National Institute of Health, 1R21DK12288-01: Sunyoung Kim (PI)

Title: Defining prognostic biomarkers for necrotizing enterocolitis

Role: Biostatistician

Effort: 2%

Direct Costs: \$300,000

**Current Contracts: 60% Effort Coverage**

LSUHSC OBGYN Department (Nov 2018-Present): 15% Effort

LSUHSC Orthopedics Department (May 2019-Present): 25% Effort

Woman's Hospital Baton Rouge (Jan 2020-Present): 10% Effort

LSUHSC Department of Oral and Maxillofacial Surgery (Jan 2021): 10% Effort

**Journal Publications:**

**Refereed**

1. Han, K.J., Pitman, W.D., **Chapple, A.** (2014). Moisture Concentration Variation of Silages Produced on Commercial Farms in the South-Central USA. *Asian-Australasian Journal of Animal Sciences*. 2014;27(10):1436-1442.
2. **Chapple, A.** (2016) A Bayesian Reversible Jump Piecewise Hazard approach for modeling rate changes in mass shootings. *Journal of Economics and Econometrics*. 59 (3). 19-31.
3. Liru, H., **Chapple, A.G.**, Liao, Z., Komaki, R., Thall, P.F., Lin SH. (2016) Bayesian regression analyses of radiation modality effects on pericardial and pleural effusion and survival in esophageal cancer. *Journal of Radiation Oncology*. 121 (1): 70-74.
4. **Chapple, A.G.**, Vannucci, M., Thall, P.F., Lin, S.H. (2017). Bayesian variable selection for a semi-competing risks model with three hazard functions. *Journal of Computational Statistics and Data Analysis*. 112: 170-185.
5. **Chapple, A.G.** (2018). Modeling ISIL terror attacks and their fatality rates with a Bayesian reversible jump marked point process. *Journal of Economics and Econometrics*. *Economics and Econometrics Society*. 61(3): 1-14.
6. **Chapple, A.G.**, Thall, P.F. (2018). Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination. *Journal of Pharmaceutical Statistics*. 1-16.
7. Peak T.C., **Chapple, A.G.**, Coon, G., Hemal, A. (2018). Utilizing a Semi-Competing Risk Model to Predict Perioperative and Oncologic Outcomes after Radical Cystectomy. *British Urology Journal*. 10 (11): 317-326
8. **Chapple, A.G.**, Thall, P.F. (2018). A hybrid phase I-II/III clinical trial design allowing dose re-optimization in phase III. *Biometrics*. 1– 11. <https://doi.org/10.1111/biom.12994>

9. Peak, T., Russell, G.B., Dutta, R., Rothberg, M., **Chapple, A.G.**, Hemal, A.K. (2018). An NCDB-based Nomogram to Predict Lymph Node Metastasis in Penile Cancer. *BJU International*. 123. 10.1111/bju.14652.
10. Christensen, B.J., **Chapple, A.G.**, King, B.J. (2018). How much weight loss can be expected after treating mandibular fractures? *Journal of Oral and Maxillofacial Surgery*.
11. **Chapple, A. G.**, Wojcik, J. J., & McDaniel, L. S. (2019). A regression based phase I clinical trial for late-onset toxicities without clinician elicitation. *Contemporary clinical trials communications*, 14, 100327. doi:10.1016/j.conctc.2019.100327
12. Peak, T., Su, Y., **Chapple, A.G.**, Chryr., J., Pollack, J., Deep, G. (2019). Syntaxin 6: A novel predictive and prognostic biomarker in papillary renal cell carcinoma. *Scientific Reports*. 9 (1): 3146.
13. Christensen, B.J., **Chapple, A.G.**, King, B.J. (2019). What is the Effect of Treating Mandibular Fractures on Weight and Prealbumin? *Journal of Oral and Maxillofacial Surgery*. 77 (6): 1-6.
14. **Chapple, A.G.**, Blackston, J.W. (2019). Finding benefit in n-of-1 trials. *JAMA Intern Med*. 179(3):453-454.
15. Peak, T. C., Russell, G. B., Dutta, R., Rothberg, M. B., **Chapple, A. G.** and Hemal, A. K. (2019). A National Cancer Database-based nomogram to predict lymph node metastasis in penile cancer. *BJU International*. 123: 1004-1010. [10.1111/bju.14652](https://doi.org/10.1111/bju.14652)
16. **Chapple, A. G.** and Thall, P. F. (2019). Rejoinder to “A hybrid phase I-II/III clinical trial design allowing dose reoptimization in phase III”. *Biometrics*.
17. Simkin, J., Bronstone, A., **Chapple, A.**, Clement, R.C., Cohen-Rosenblum, A., Czarny-Ratajczak, M., Dasa, V. Hilliard, C., King, A., Krause, P., and Marrero, L. (2019). Letter to the Editor: Editorial: Beware of studies claiming that social factors are “independently associated” with biological complications of surgery. *Clinical Orthopedics and Related Research*. 477 (12): 2807-2809
18. Blackston, J.W., **Chapple, A.G.**, McGree, J.M., McDonald, S.N., Nikles, J (2019). Comparison of aggregated N-of-1 trials with parallel and crossover randomized controlled trials using simulation studies. *Healthcare*, 7, 137.
19. **Chapple, AG**, Peak, T, Hemal, A. A novel Bayesian continuous piecewise linear log-hazard model, with estimation and inference via reversible jump Markov chain Monte Carlo. *Statistics in Medicine*. 2020; 1– 15. <https://doi.org/10.1002/sim.8511>
20. Cameron JE, Dennis DC, Herrel NR, **Chapple AG**, and Hagensee ME. (2020) Risk of abnormal cervical cytology in HIV-infected women testing positive for both human papillomavirus and Epstein-Barr virus in genital tract specimens. Accepted for publication in *Cancer Causes and Control*.

21. **Chapple, A.G.** (2020). Bayesian subgroup clustering in phase I clinical trials. *SAGE Research Methods Cases*. doi: <https://dx.doi.org/10.4135/9781529742657>
22. Silver V, **Chapple A**, Feibus A, Beckford J, Halapin N, Delphi B, Gordon A, Baumgartner W, Vignes S, Clark C, Kambok S, Lim S, Mackey S, Seal P, Kanter J, Bell C, Clement M. Clinical Characteristics and Outcomes Based on Race of Hospitalized Patients with COVID-19 in a New Orleans Cohort. Accepted for publication, *Open Forum Infect Dis*.
23. **Chapple A**, Thall P. (2020) Comparison of Phase I-II Designs with Parametric or Semi-Parametric Models Using Two Different Risk-Benefit Trade-Off Criteria. *Contemporary Clinical Trials*. Accepted.
24. Block MS, Christensen BJ, Mercante D, **Chapple AG**. (2020). What factors are associated with implant failure? *Journal of Oral and Maxillofacial Surgery*. <https://doi.org/10.1016/j.joms.2020.08.023>
25. Pratt, A., Scheinuk, J., Lopez, D., Mesa, C. J., Mahato, S., **Chapple, A. G.**, & Guevara, M. E. (2020). Sunscreen knowledge amongst rheumatologists: Finding the gap. *Lupus*. <https://doi.org/10.1177/0961203320973272>
26. LeMoine F, Moore RC, **Chapple A**, Moore FA, Sutton E. (2020) Neonatal Survivability following Previaible PPRM after Hospital Readmission for Intervention. *AJP Rep*. Oct; 10(4):e395-e402. doi: 10.1055/s-0040-1721421. Epub 2020 Dec 3. PMID: PMC7714616
27. Hoffseth KF, Simkin J, Busse E, Stewart K, Watt J, **Chapple A**, Hargrove A, Sammarco MC. (2020) A New Approach to Analyzing Regenerated Bone Quality in the Mouse Digit Amputation Model using Semi-automatic Processing of microCT Data. *Bone*. 2020 Dec 1:115776. doi: 10.1016/j.bone.2020.115776 PMID: 33276153.
28. McDougal, M., Nair-Fairless, P., Weiss, T., Dao, E., **Chapple, A. G.**, & Jernigan, A. (2021). Practice patterns and results of tumor and germline genetic evaluation of women with endometrial cancer in south Louisiana. *Gynecologic oncology reports*, 36, 100717. <https://doi.org/10.1016/j.gore.2021.100717>
29. Salomon, B., Krause, P. C., Dasa, V., Shi, L., Jones, D., & **Chapple, A. G.** (2021). The Impact of Hepatitis C and Liver Disease on Risk of Complications After Total Hip and Knee Arthroplasty: Analysis of Administrative Data From Louisiana and Texas. *Arthroplasty today*, 7, 200–207. <https://doi.org/10.1016/j.artd.2020.12.016>
30. Johnson, K. D., Akingbola, O., Anderson, J., Hart, J., **Chapple, A.**, Woods, C., Yearly, K., & McLean, A. (2021). "Combating a "Twin-demic": A Quantitative Assessment of COVID-19 and Influenza Vaccine Hesitancy in Primary Care Patients". *Health Promotion perspectives*. <https://hpp.tbzmed.ac.ir/PDF/hpp-34133>

31. Buzhardt, S, **Chapple, AG**, LeMoine, F, McCune, K, Moore, F, Sutton, E (2021). Surgical Site Infection Risk in Cesarean Delivery Patients with Obesity Following Negative Pressure Wound Therapy: A Retrospective Cohort Study. *Surgery*. <https://doi.org/10.1016/j.surg.2021.02.056>
32. Salomon, B, Krause, P.C., Dasa, V., Hall, L., Shi, L., **Chapple, AG** (2021). Hospital length of stay is associated with increased likelihood for venous thromboembolism following total joint arthroplasty. *Arthroplasty today*. <https://doi.org/10.1016/j.artd.2020.12.025>
33. Certa, M, **Chapple, AG**, Christensen, BJ (2021). Is Screw-Fracture Proximity or Residual Fracture Displacement Correlated to Outcomes after Open Reduction and Internal Fixation of Mandibular Angle Fractures? *Journal of Oral and Maxillofacial Surgery*. <https://doi.org/10.1016/j.joms.2021.05.028>
34. Taylor KH, Noel E, **Chapple AG**, Buzhardt S, Sutton EF. Risk Factors for Peripartum Hemorrhage in a Tertiary Hospital in South-Central Louisiana. *The Journal of Maternal-Fetal & Neonatal Medicine*. [accepted]
35. Dean, M. J., Ochoa, J. B., Sanchez-Pino, M. D., Zabaleta, J., Garai, J., Del Valle, L., Wyczechowska, D., Baiamonte, L. B., Philbrook, P., Majumder, R., Vander Heide, R. S., Dunkenberger, L., Thylur, R. P., Nossaman, B., Roberts, W. M., **Chapple, A. G.**, Wu, J., Hicks, C., Collins, J., ... Ochoa, A. C. (2021). "Severe COVID-19 Is Characterized by an Impaired Type I Interferon Response and Elevated Levels of Arginase Producing Granulocytic Myeloid Derived Suppressor Cells." *Frontiers in Immunology*, 12. <https://doi.org/10.3389/fimmu.2021.695972>

#### **Under Review/Revision**

Thomas, K, Karamanis, A., Dauchy, E, Loch, M, **Chapple, AG**. Blood type does not affect morbidity or mortality in COVID-19 infections. *Blood*. [submitted 1/1/21; under review]

Benes, G, David, J, Synowicz, M, Betech, A, Dasa, V, Krause, P, Jones, D, Hall, L, Leslie, L, **Chapple, AG**. Race and Age Impacts Historically Low Osteoporosis Screening Rates Prior to Hip Fracture . *CORR*. [submitted 1/1/21; under review]

**Chapple, AG**, Bennani, Y, Clement, M. A Multi-Armed Bayesian Ordinal Outcome Utility-Based Sequential Trial with a Pairwise Null Clustering Prior. *Bayesian Analysis*. [submitted 3/17/21; under revision]

Tanner-Sanders, Gwan, Nair, **Chapple**. Equity in Visual Representation of Vulvar Conditions in Major Gynecology Textbooks. *Clinical Gynecologic Oncology* [submitted 4/1/21; under review]



McGovern A, **Chapple AG**, Ma C. 2S-Sub-TITE: An adaptive two-stage time-to-toxicity model for subgroup-specific dose finding in Phase I oncology trials. *Pharmaceutical Statistics* [Submitted 7/1/21; under review]

Curtis A, Smith B, **Chapple AG**. Subgroup-Specific Dose Finding for Phase I-II Trials Using Bayesian Clustering. *Statistics in Medicine*. [Submitted 5/16/21; Under review]

### **Published Abstracts:**

1. Kaitlyn Taylor MD, **Andrew Chapple PhD**, Amie Davenport RN, Mike Miller, Sharon Odenwald RN, Landon Roy, Lakedra Pam MD, Elizabeth Sutton PhD. Risk Factors for Peripartum Hemorrhage in a Tertiary Hospital in South-Central Louisiana. ACOG 2020 Annual Clinical and Scientific Meeting. Seattle, Washington. [Accepted for poster presentation]
2. Emily Tompkins MD, **Andrew Chapple PhD**, Sarah Buzhardt MD, Elizabeth Sutton PhD. Effect of Cervical Dilation at Time of Amniotomy on Cesarean Rates in a Nulliparous Population. ACOG 2020 Annual Clinical and Scientific Meeting. Seattle, Washington. [Accepted for poster presentation] \*Award for most impact\*
3. Felicia LeMoine, **Andrew Chapple**, Elizabeth Sutton, Lakedra Pam. Characteristics of Patients Intending to Breastfeed in a Tertiary Obstetric Hospital in Louisiana. ACOG 2020 Annual Clinical and Scientific Meeting. Seattle, Washington. [Accepted for poster presentation]
4. Felicia LeMoine, Roumta Odisho, **Andrew Chapple**, Elizabeth Sutton, Karli Boggs. Improving Maternal and Neonatal Outcomes for Patient with Diabetes by Clinical Navigation. ACOG 2020 Annual Clinical and Scientific Meeting. Seattle, Washington. [Accepted for poster presentation]
5. Roumta Odisho, Felicia LeMoine, Jaimee Castillo-Quek, **Andrew Chapple**, Elizabeth Sutton, Karli Boggs. Novel Clinical Navigation System to Improve Prenatal Care for Patient with Diabetes in Pregnancy. ACOG 2020 Annual Clinical and Scientific Meeting. Seattle, Washington. [Accepted for poster presentation]
6. A.B. Clark, M. Brown, O. Gilbert, **A. Chapple**, A.M. Jernigan and N. Nair. Look good, feel good? the effects of body image on quality of life in gynecologic cancer patients. Society of Gynecologic Oncology Annual Meeting, Toronto, Canada (accepted for poster presentation)
7. O.E. Gilbert, N.L. Rezvani, C.R. Smith, **A. Chapple**, N. Nair, and A.M. Jernigan (2020, Mar 28). Patient Perception of Gynecologic Clinical Trial Participation in the Deep South. Poster presentation at the Society of Gynecologic Oncology Annual Meeting on Women's Cancer. Toronto, Canada.

8. C.J. Mesa, S. Yadlapati, **A.G. Chapple**, S. Mahato, M.E. Guevara. The Use and Safety of Rituximab in Connective Tissue Disease associated Interstitial Lung Disease. American College of Rheumatology (ACR) 2019, Atlanta Georgia.
9. Brett Salomon, **Andrew Chapple Ph.D.**, Vinod Dasa M.D., Peter Krause M.D. Factors Influencing Complication Rates After Total Hip and Knee Arthroplasty in Hepatitis C Positive and Liver Disease Patients. 2020 Louisiana Orthopedic Association.
10. C.J. Mesa, S. Yadlapati, **A.G. Chapple**, S. Mahato, M.E. Guevara. Sunscreen Knowledge Amongst Rheumatologist: Finding the Gap. 22nd Pan-American Congress of Rheumatology (PANLAR) 2020
11. M. Brown, **A.G. Chapple**, N. Nair, et al. Enhanced Recovery After Surgery (ERAS) Implementation in Gynecologic Surgery Patients in a Medically Underserved Population. 2020 LSU Quality Improvement Forum. \*People's Choice award winner\*
12. R. Gilbert, **A.G. Chapple**, K. Boggs, E. Sutton. Marijuana Use in Pregnancy and the Risk of Preterm Birth. 2020 Central Association of Obstetricians and Gynecologists (CAOG) Meeting. \*Dr. Jack A. Pritchard Memorial Paper award winner\*
13. Silver V, **Chapple A**, Feibus A, Beckford J, Halapin N, Delphi B, Gordon A, Baumgartner W, Vignes S, Clark C, Kambok S, Lim S, Mackey S, Seal P, Kanter J, Bell C, Clement M. Clinical Characteristics and Outcomes of Patients Hospitalized with COVID-19 in New Orleans, LA: A Cohort Study. Accepted for oral abstract, IDWeek, 2020.
14. Brown M.L., Moussavi V., Clark A.B., Matossian M.D., Holman S., Jernigan A.M., Scheib S.A., Shank J., **Chapple A.G.**, Kelly E., Nair N. ERAS Implementation in Gynecologic Surgery in a Medically Underserved Publicly Insured and Uninsured Population. Poster presented at: AAGL 49<sup>th</sup> International Congress on Minimally Invasive Gynecologic Surgery. 2020 Nov 6-14; Virtual Conference.
15. Ileanette Robledo-Vega, John Scheinuk, Emmanuel Pardo, Ansley Pratt, Soham Mahato, **Andrew G. Chapple** and Myriam Guevara. Vitamin D Level: Predictor of SLE Disease Activity in AA Cohort with CLE? ACR Convergence 2020.
16. Gwan, A., Tanner, L., **Chapple, A.**, Nair, N., Jernigan, A.,. Visual Representation of Vulvar Skin Conditions in Major Gynecology Textbooks. Are Skins of Color Underrepresented?. Accepted for poster presentation at CREOG & APGO Annual Meeting. March 2021.
17. Simran Mittal, Anwei Gwan, **Andrew Chapple**, Jaime Alleyn, Valerie Williams. "An Assessment of Medical Student Perceptions Towards Abortion Education." *2020 ACOG Medical Student Virtual Poster Session*. Virtual Meeting. September 26, 2020.
18. Simran Mittal, Anwei Gwan, **Andrew Chapple**, Jaime Alleyn, Valerie Williams. "An Assessment of Medical Student Perceptions Towards Abortion

- Education." *2020 AMA Research Symposium*. Virtual Meeting. December 3, 2020.
19. Gregory Benes; Justin David; Molly Synowicz; Alex Betch; **Andrew G. Chapple**; Peter C. Krause; Vinod Dasa; Deryk Jones; Lauren Hall; Robert Galagan. "Exploring Disparities In Screening And Treatment For Osteoporosis In Patients With Hip Fractures" ORS 2021 Annual Meeting.
  20. Zohaib Y. Lakhani; Elena Plakotaris; **Andrew Chapple**; Vinod Dasa; Louis Marrero; Jennifer Simkin. "Patient-specific Decreases In Circulating Cytokines Are Associated With Lower Pain After Total Knee Arthroplasty." ORS 2021 Annual Meeting.
  21. Guidry T, Odisho R, LeMoine FV, **Chapple AG**, Sutton EF, Boggs KM. Improving Adherence to Prenatal Care for Patients with Diabetes in Pregnancy Using a Nursing-Driven Care Navigation System. Association of Diabetes Care & Education Specialists Annual Conference 2021 (Virtual). Oral Presentation August 13, 2021.
  22. Ananthula A, **Chapple AG**, Mani S, Nguyen A, Del Toro A, Boulmay B. Association of immune checkpoint inhibitors (ICI) and venous thromboembolism (VTE): a single healthcare system experience. ASCO 2021 Annual Meeting.

### **Contributed Scientific Presentations:**

#### **Local**

1. Louisiana Chapter of the ASA (November, 2018). Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination.
2. University of Louisiana - Lafayette (October, 2019): A Hybrid Phase I-II/III Clinical Trial Design Allowing Dose Re-Optimization in Phase III.

#### **National**

1. MD Anderson Cancer Center (June, 2017): Bayesian variable selection for a semi-competing risks model with three hazard functions.
2. MD Anderson Cancer Center (June, 2018): A Hybrid Phase I-II/III Clinical Trial Design Allowing Dose Re-Optimization in Phase III.
3. ENAR Annual Meeting (March, 2019): Bayesian variable selection for a semi-competing risks model with three hazard functions.
4. Society of Clinical Trials Annual Meeting (May, 2019): A Hybrid Phase I-II/III Clinical Trial Design Allowing Dose Re-Optimization in Phase III.

5. ENAR Annual Meeting (March, 2020): Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination. Virtual.
6. Joint Statistical Meetings - JSM (July, 2020): Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination. Virtual.

#### **Invited Presentations and Seminars:**

1. Bayesian Causal Inference Workshop (June, 2019). Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination.
2. iBRIGHT conference at MDAnderson (November, 2019): Subgroup-specific dose finding in phase I clinical trials based on time to toxicity allowing adaptive subgroup combination.
3. International Biometrics Conference (July 2020): A Hybrid Phase I-II/III Clinical Trial Design Allowing Dose Re-Optimization in Phase III. Best Biometrics paper showcase 2019. Virtual.
4. PEARC High Throughput Research Conference (July, 2020): Utilizing Open Science Grid resources for Clinical Trial Designs.
5. Panel Discussant – Workshop: “Supporting Campus Researchers with dHTC and the OSG”, October 22.
6. Virginia Commonwealth University (VCU) Biostatistics seminar (April 2021): A novel Bayesian continuous piecewise linear log-hazard model, with estimation and inference via reversible jump Markov Chain Monte Carlo.

#### **Editorial Posts and Activities:**

##### **Reviewer:**

JAMA Network Open (2019-Present)

##### **Have Reviewed for**

Biometrics  
Frontiers  
Statistics in Medicine  
Bayesian Analysis  
Statistical Science

#### **SERVICE ACTIVITIES**

**University/Institutional Service:**

**Departmental committees**

**School committees**

Curriculum Committee (Chair): October 2020-Present

**LSUHSC (campus) committees**

Faculty Senate Member: July 2020-Present