Paper Outline

Title Ideas:

1. How Retrospective Analysis Can Inform the Future of Data-Driven Return-to-Learn Protocols
2. What Twenty Years of Educational Concussion Data Can Teach Us about the Future of Return-to-Learn

Introduction/literature review:

* History of RTL
  + recognition of established RTP guidelines and collective call for similar RTL guideline
* Examples of theoretical/proposed models in existing literature
  + Gioia 2016
  + Dachtyl and Morales
  + Davies
  + Knollman-Porter (university example)
* What we think RTL needs
  + communication between teachers and support staff
  + staff trainings on concussion and what students need following concussion
* Purpose of this paper:
  + who/what is HCAMP
  + mission
  + description of RTP protocol in place (Tamura et al, 2020)
  + rationale for why understanding symptom cluster reporting at time of ImPACT testing can influence the development of data-driven RTL to improve student outcome

Method:

* description of data (e.g., data structured into four specific populations based upon the number of ImPACT tests completed)
* description of how PCSS data was organized into clusters and rescaled to be compared
* Do we want to include any SIMS data information or data on specific ImPACT test scores? (test scores seem to do deviate from purpose of paper based on previous discussions)

Results:

* can provide summaries of various variables, such as gender, age, sport
* ANOVA results for each cluster comparison with rescaled data

Discussion:

* what is the value of this retrospective data analysis?
* how can it influence the future of RTL?
* what are the trends in cluster severity scores that reflect student needs and can shape the needs of an RTL protocol?
* what are the measurement limitations that we need to address to developing effective and replicable protocols to support students through the RTL process?