

## **CURRICULUM VITAE: Jeremy Graber**

### **CURRENT POSITION**

Assistant Professor  
University of Colorado School of Medicine  
Department of Physical Medicine and Rehabilitation  
Physical Therapy Program | Hybrid Pathway  
Mailstop C244, 13121 East 17th Avenue, Aurora, CO 80045  
jeremy.graber@cuanschutz.edu

### **EDUCATION**

Indiana University	BS, Kinesiology	2009 – 2013
Indiana University	Doctor of Physical Therapy	2013 – 2016
University of Colorado	PhD, Rehabilitation Science	2019 – 2023
Department of Veterans Affairs	Predoctoral Fellowship, Geriatrics	2021 – 2023
Department of Veterans Affairs	Postdoctoral Fellowship, Health Services	2023 – 2025

### **ACADEMIC APPOINTMENTS**

University of Colorado Anschutz Department of Physical Medicine & Rehabilitation	Assistant Professor	2025 –
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### **HOSPITAL, GOVERNMENT OR OTHER PROFESSIONAL POSITIONS**

Athletico Physical Therapy Bloomington, IN	Physical Therapist	2016 – 2017
AMN Healthcare	Traveling Physical Therapist	2017 – 2018
Active Edge Physical Therapy Oregon City, OR	Physical Therapist	2018 – 2019
Department of Veterans Affairs Aurora, CO	Research Fellow	2021 – 2025

### **HONORS, SPECIAL RECOGNITIONS AND AWARDS**

Hutton Honors College Scholarship, Indiana University	2009
Founder Scholar, Indiana University	2013
Hirs Academic Enrichment Scholarship, University of Colorado	2019
Adopt-a-Doc Award, Academy of Geriatric Physical Therapy, APTA	2021
Hirs Student Travel Award, University of Colorado	2021
Rehabilitation Science Levy Scholarship, University of Colorado	2022
Marliyn Gossman Award, APTA Academy of Research	2024

### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

American Physical Therapy Association (APTA) Chapter: Colorado Academies: Geriatrics, Orthopedics, and Research	2013 –
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### **MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES**

#### **Professional – External**

Abstract Review Committee APTA Colorado Rocky Mountain Annual Conference	2022 –
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#### **Community**

Court Appointed Special Advocate for Children Denver CASA	2020 – 2022
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### **LICENSURE AND BOARD CERTIFICATION**

#### **Licensure**

Physical Therapist – Colorado #PTL.0016383	2019 –
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### **REVIEW AND REFEREE WORK**

#### **Ad Hoc Peer Review**

Disability & Rehabilitation	2022 –
Journal of Orthopedic & Sports Physical Therapy	2023 –
Medical Decision Making Policy & Practice	2025 –

#### **Grant Review**

Technical Reviewer Maryland Industrial Partnerships Program	2025
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### **INVITED EXTRAMURAL LECTURES, PRESENTATIONS, VISITING PROFESSORSHIPS**

1. **Grabner J.** Optimizing care for patients with total knee replacement. Orthopedics Special Interest Group, Tufts University Doctor of Physical Therapy Program, Phoenix, AZ.

**TEACHING RECORD**

**University of Colorado Physical Therapy Program**

Course	Credit Hours	Years	Role	Learners	Total Learners
Evidence Based Practice (DPTR 5621 HY1)	3	2024 –	Coordinator	DPT students	35-40
Clinical Reasoning I (DPTR 5631 HY 1)	1	2024 –	Instructor	DPT students	35-40
Clinical Reasoning III (DPTR 6633 HY 1)	2	2026 –	Instructor	DPT students	35-40

**CONTINUING EDUCATION WORKSHOPS CONDUCTED/ORGANIZED**

1. **Grabner J**, Garbin A, Pontiff M. Intersection of Evidence Based Practice and AI. University of Colorado Health, Aurora, CO, 2025

**MENTORING**

**Academic advisor to DPT students**

1. Isaac Montgomery (2025 – present)
2. Tessa Marshall (2025 – present)
3. Avery Hamill (2025 – present)

**GRANT SUPPORT**

**Current**

VA IK2RD000357 (CDA-2)                      Graber (PI)                      07/01/2026 – 06/30/2031  
Role: principal investigator  
Effort: 100%

Awarded Amount: \$1,071,107

*Optimizing rehabilitation prescription after knee replacement: advancing the “people-like-me” approach for Veteran-centered care.*

This study aims to use VA electronic health record data to predict poor recovery after knee replacement, evaluate the suitability of clinical data for building predictive models and tools, and characterize historical care patterns in postoperative rehabilitation.

VA I01RX003770                      Stevens-Lapsley (PI)                      04/01/22 – 03/31/2026  
Role: co-investigator  
Effort: 0%

Awarded Amount: \$1,198,128

*Improving rehabilitation for Veterans after total knee arthroplasty through individualized recovery trajectories.*



8. **Graber J**, Churchill L, Struessel T, et al. Expert consensus for the use of outpatient rehabilitation visits after total knee arthroplasty: a Delphi study. *J Orthop Sports Phys Ther.* 2023 53:9, 566-574. <https://www.jospt.org/doi/10.2519/jospt.2023.11840>.
9. Judd DL, Cheuy V, Peters A, **Graber J**, et al. Incorporating functional strength integration techniques during total hip arthroplasty rehabilitation: A randomized controlled trial. *Phys Ther.* 2024;104(3):pzad168. doi:10.1093/ptj/pzad168.
10. **Graber J**, Loyd BJ, Hoogeboom T, Miller C, Kittelson AJ. Optimizing the accuracy and precision of the minimal detectable change statistic: Secondary analysis of test-retest data from the NIH Toolbox Study. *Phys Ther.* 2025;105(2):pzae170. doi:10.1093/ptj/pzae170.
11. Garbin A, Tran M, **Graber J**, Derlein D, Currier D, Altic R, Will R, Cumbler E, Forster J, Mangione K, Stevens-Lapsley J. Improving function in older adults with hospital-associated deconditioning: lessons learned comparing a randomized controlled trial to real world practice. *Phys Ther.* 2024;104(12):pzae173. doi:10.1093/ptj/pzae173.
12. **Graber J**, Hinrichs-Kinney LA, Churchill L, et al. Implementation of a "people-like-me" tool for personalized rehabilitation after total knee arthroplasty: a mixed methods pilot study. *J Eval Clin Pract.* 2025;31(1):e70028. doi:10.1111/jep.70028.
13. Churchill L, **Graber J**, Mealer M, et al. Patient and clinician perceptions of a "people-like-me" tool for personalized rehabilitation after total knee arthroplasty: a qualitative interview study. *Phys Ther.* Published online April 24, 2025. doi:10.1093/ptj/pzaf058.
14. A personalized prediction of longitudinal growth using People-Like-Me methods. Jin X, Juarez-Colunga E, van Buuren S, Colborn K, Rosenfeld M, **Graber J**, Stevens-Lapsley J. *Comput Biol Med.* Published online. doi: <https://doi.org/10.1016/j.compbiomed.2025.111281>.
15. **Graber J**, Jin X, Juarez-Colunga E, Dibblee P, Woodfield D, Minick I, Chamberlain A, Bade M, Stevens-Lapsley J. Do personalized recovery trajectories enhance the utility of patient-reported outcome measures after orthopaedic surgery? *Clin Orthop Relat Res.* [accepted for publication].

### Peer reviewed Scientific and Professional Presentations

1. Troutman A, Johnson B, Neves E, Fisher A, **Graber J**, et al. High intensity interval training benefits right heart function in a rat model of pulmonary arterial hypertension. Poster presented at: IUPUI Research Day; Feb 2016; Indianapolis, IN.
2. **Graber J**, Gladish B, Brown MB. High intensity interval training vs. continuous training in a rat model of pulmonary hypertension: Impact on aerobic capacity, hemodynamics, and right ventricular remodeling. Oral presentation at: American Physical Therapy Association Combined Sections Meeting; Feb 2016; Anaheim, CA.
3. **Graber J**, Kittelson A, Bade M, et al. Translation from concept to clinic: a novel tool for patient-centered care in knee arthroplasty rehabilitation. Poster presented at: Colorado Pragmatic Research in Health Conference; Aug 2020.
4. **Graber J**, Kittelson A, Bade M, et al. Development of a reference chart for monitoring quadriceps strength recovery after knee arthroplasty. Poster presented at: American Physical Therapy Association Combined Sections Meeting; Feb 2021.
5. **Graber J**, Bade M, Thigpen C, et al. Evaluating the need for a new clinical decision support tool in knee arthroplasty rehabilitation. Poster presented at: Colorado Pragmatic Research in Health Conference; May 2021.
6. **Graber J**, Juarez-Colunga E, Jin X, et al. Comparing methodologies for predicting functional recovery after total knee arthroplasty. Poster presented at: American Physical Therapy Association Combined Sections Meeting; Feb 2022.

7. **Graber J**, Thigpen C, Van Sciver-Richardson K, et al. Preliminary feasibility and effectiveness of a new clinical decision support tool in knee arthroplasty rehabilitation. Poster presented at: Colorado Pragmatic Research in Health Conference; May 2022.
8. **Graber J**, Maldonado A, Bade M, Stevens-Lapsley J. Creating web-based tools for independent monitoring of functional recovery following total hip arthroplasty. Poster presentation: Academy of Physical Therapy Research Retreat, Advances in Rehabilitation Technology; July 2022.
9. **Graber J**, Hoogeboom T, Loyd B, Kittelson A. Monitoring change for individual patients: Time to move beyond the MDC? Poster presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2023. Dayton R, Cheuy V, Hogan C, Graber J, et al. NMES preserves skeletal muscle strength early after total knee arthroplasty: effects on skeletal muscle fiber size. Poster presentation: Western Orthopaedic Association Annual Meeting; August 2022.
10. Churchill L, **Graber J**, Mealer M, et al. A qualitative study exploring patient perceptions of personalized prediction and monitoring in rehabilitation after total knee arthroplasty. Poster presentation: Osteoarthritis Research Society International World Congress; March 2023.
11. Churchill L, **Graber J**, Mealer M, et al. Perceptions of personalized clinical decision support in rehabilitation after total knee arthroplasty: A qualitative study. Poster presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2024.
12. Judd D, Yang C, Hogan C, Dayton M, Dennis D, Koonce R, Bilyeu K, Hinrichs-Kinney L, **Graber J**, et al. Comparative analysis of functional, strength, and biomechanical outcomes after anterior and posterolateral hip arthroplasty. Poster presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2024.
13. Tran MK, Garbin AJ, **Graber J**, Derlein D, Currier D, Altic R, Will R, Cumbler E, Forster J, Mangione KK, Stevens-Lapsley J. Improving function of older adults with hospital-associated deconditioning: comparison to real world practice. Platform Presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2024.
14. **Graber J**, Churchill L, Kittelson A, et al. Effectiveness of personalized clinical decision support in outpatient rehabilitation after total knee arthroplasty. Marilyn Gossman Platform Presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2024.
15. Carson N, **Graber J**, O'Malley S, et al. 90-day outcomes for Veterans after TKA: are we serving those who served? Platform presentation: American Physical Therapy Association Combined Sections Meeting; Feb 2025.
16. Carson N, **Graber J**, O'Malley S, et al. Veteran rehabilitation, physical therapy care delivery, and outcomes after total knee arthroplasty. Poster Presentation: American College of Rheumatology Convergence; Oct 2025.
17. Carson N, Barton K, Jennings J, Dennis D, Hogan C, Scurles J, Wise D, **Graber J**, et al. Post-operative swelling did not return to preoperative levels two years after total knee arthroplasty. American Physical Therapy Association Combined Sections Meeting; Feb 2026.
18. Carson N, Bade M, **Graber J**, et al. Preoperative Factors Associated with Outcomes in Veterans after Total Knee Arthroplasty. American Physical Therapy Association Combined Sections Meeting; Feb 2026