

MULTIPLE SCLEROSIS EDUCATION TRACK IMPROVES SELF-RATED COMPETENCIES IN PHYSICAL THERAPY STUDENTS



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INTRODUCTION

Multiple Sclerosis Standardized Training and **Education Program with University Partners (MS** STEP UP) is a collaboration between:

- The University of North Carolina Chapel Hill (UNC-CH) Doctorate of Physical Therapy (DPT) program
- The Greater Carolinas National Multiple Sclerosis Society (NMSS) Chapter

MS STEP UP Main Goals:

- Educate and mentor DPT students to become MS-Certified Specialists
- Provide specialized physical therapy services to MS populations locally and nationally

OBJECTIVES

To evaluate the outcomes of the first 5 cohorts of MS STEP UP scholars using:

- MS Competencies Rating Scale (MSCRS) scores
- MS STEP UP Online Activity Tracker data

METHODS

Figure 1: MS STEP UP program overview

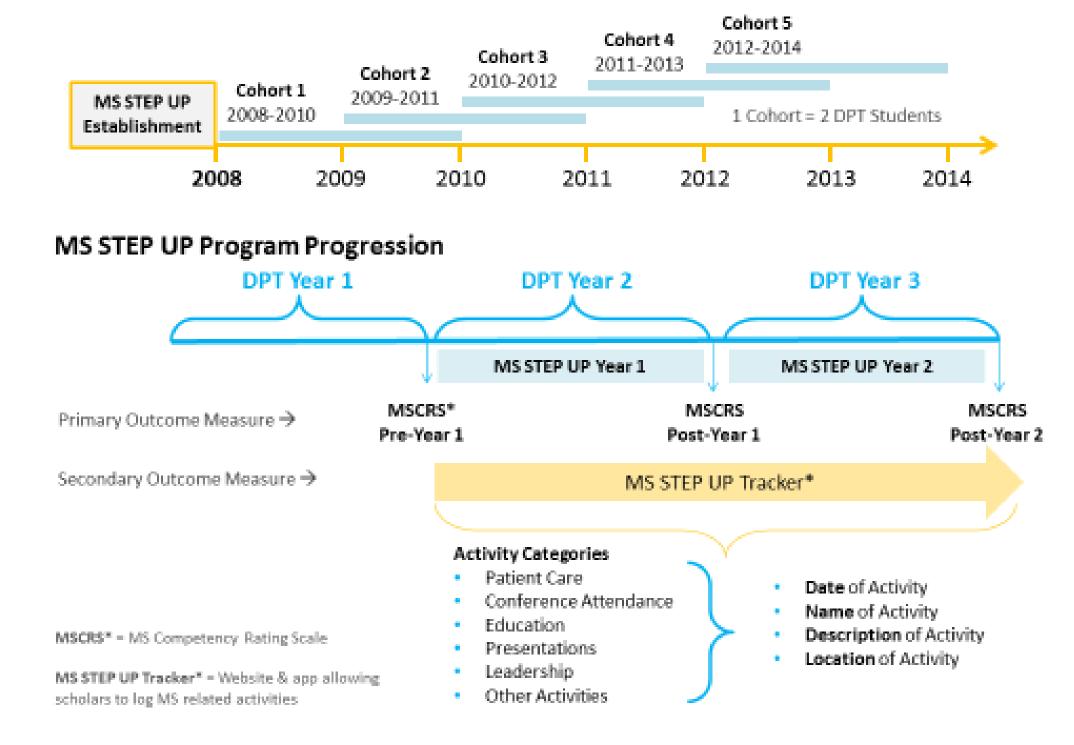
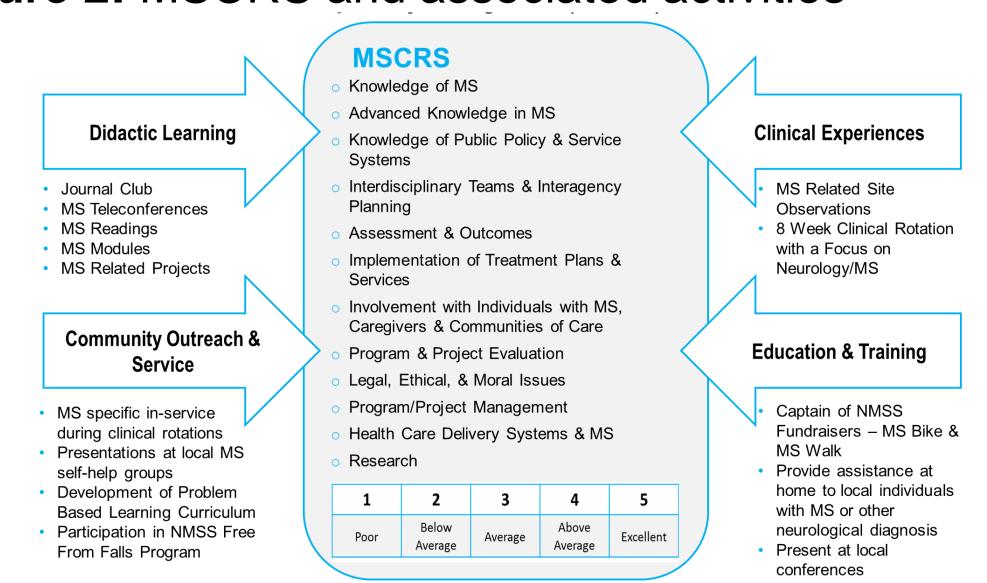


Figure 2: MSCRS and associated activities



RESULTS AND OUTCOMES

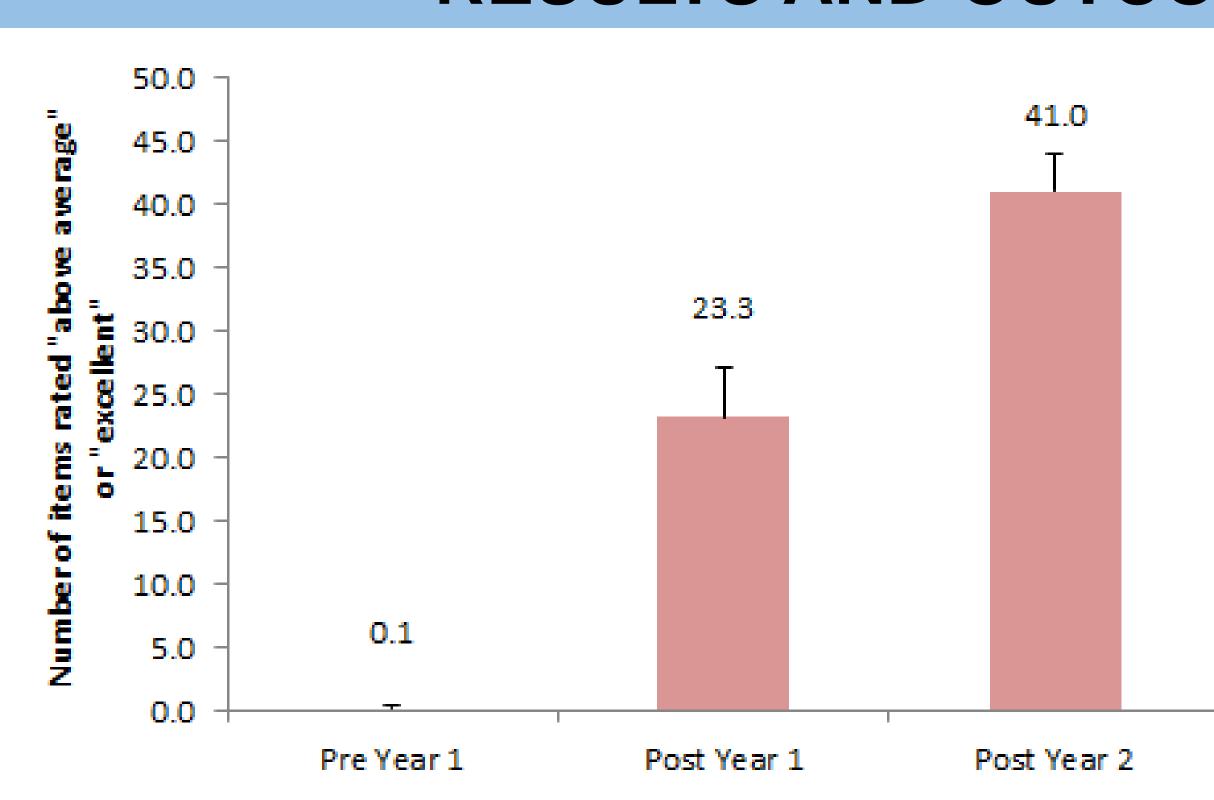
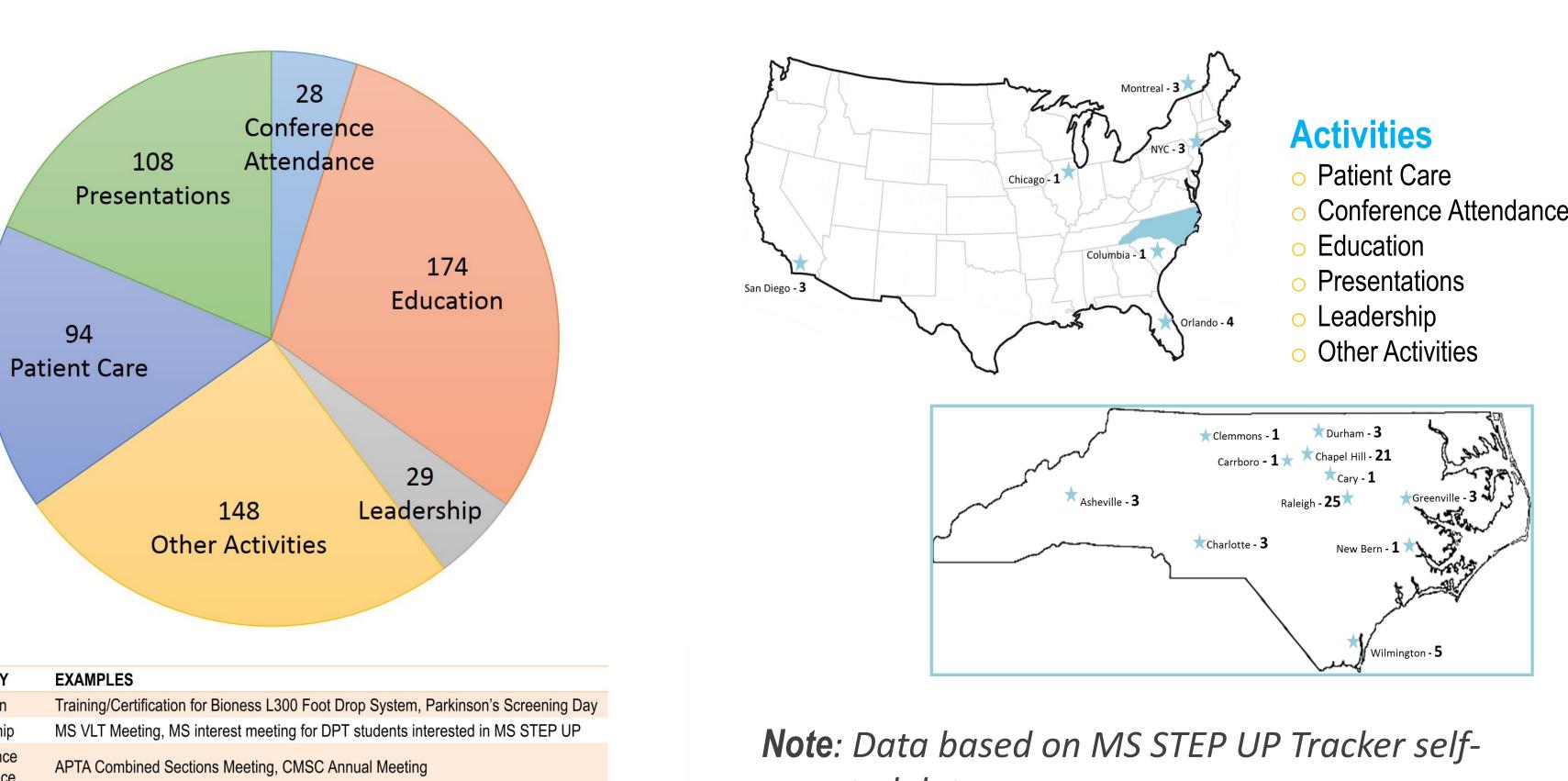


Figure 3: Number of MSCRS items rated as "above average" or "excellent" (max. 44 items) at each time point

The number of competency items on which the scholars rated their knowledge as "above average" or "excellent" increased significantly (p<.001) from a mean (\pm SD) of 0.13±0.35 items (0%) at baseline to 23.3±3.8 items (53%) after the first year, and 41.0±3.1 items (93%) after the second year

Figure 4: MS STEP UP scholar

activities



Note: These data are self-reported by scholars using an online tracking tool and should be considered estimates only of the number of activities in each category.

Other Activities Participation in 2011 Walk MS, MS Scholar Interviews, MS Mud Run

Managing MS Through Physical Therapy, Yoga for MS Inservice, UNC PT Rounds,

reported data

Figure 5: Location and number of

activities of first 10 scholar graduates

- Since 2008, 10 DPT students have completed MS STEP UP, and 4 of the first 6 have obtained the MS Certified Specialist (MSCS) certification
- There were significant increases in the number of MSCRS competency items on which scholars rated their knowledge as "above average" or excellent" in selfrated MS competencies across the two years. (Figure 3)
- Scholars participate in a range of educational and clinical activities as part of their individual training (Figure 4)
- MS STEP UP scholars have impacted the Greater Carolinas National MS Society Region in addition to several locations throughout the United States and Canada (Figure 5)

SUMMARY

Findings:

- Student-rated MS competencies increase across all competency categories
- MS STEP UP scholars have a sizeable impact on the MS community through various activities

In conclusion:

- MS STEP UP improves the clinical skills and knowledge of DPT students
- MS STEP UP adequately prepares graduates to become certified specialists in MS
- MS patient care will most likely benefit from the national expansion of MS STEP UP among DPT programs
- Future research should evaluate the effects of specialized training for therapists and students on patient outcomes



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