

ANALYSIS OF THE DEVELOPMENT OF MS-RELATED COMPETENCIES AMONG PHYSICAL THERAPY STUDENTS

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INTRODUCTION

- Multiple Sclerosis Standardized Training and education Program with University Partners (MS STEP UP) is a specialized 2-year educational track for DPT students, sponsored by UNC PT and NMSS Greater Carolinas Chapter
- MS STEP UP improves clinical knowledge and skills of PT students, as assessed using the MS Competencies Rating Scale (MSCRS)^{1,2}
- It is not known how these specialized competencies develop over the 2-year program

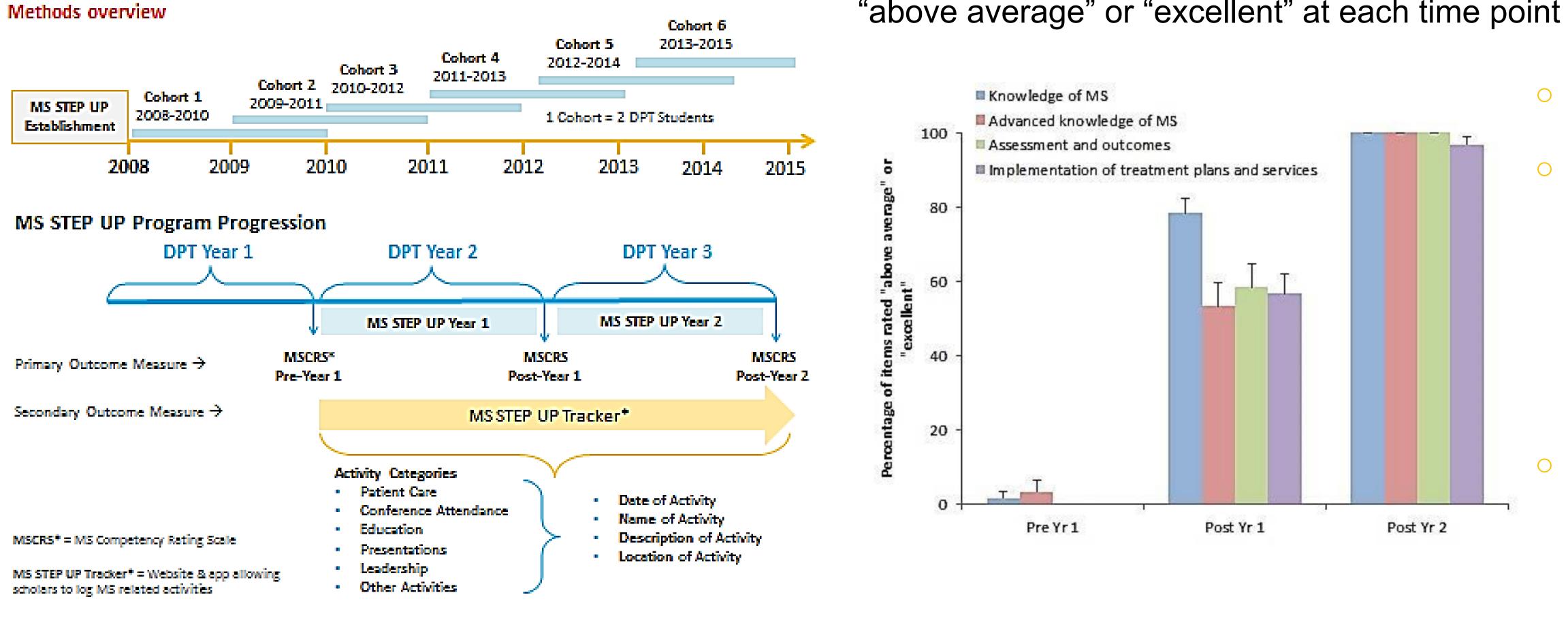
OBJECTIVES

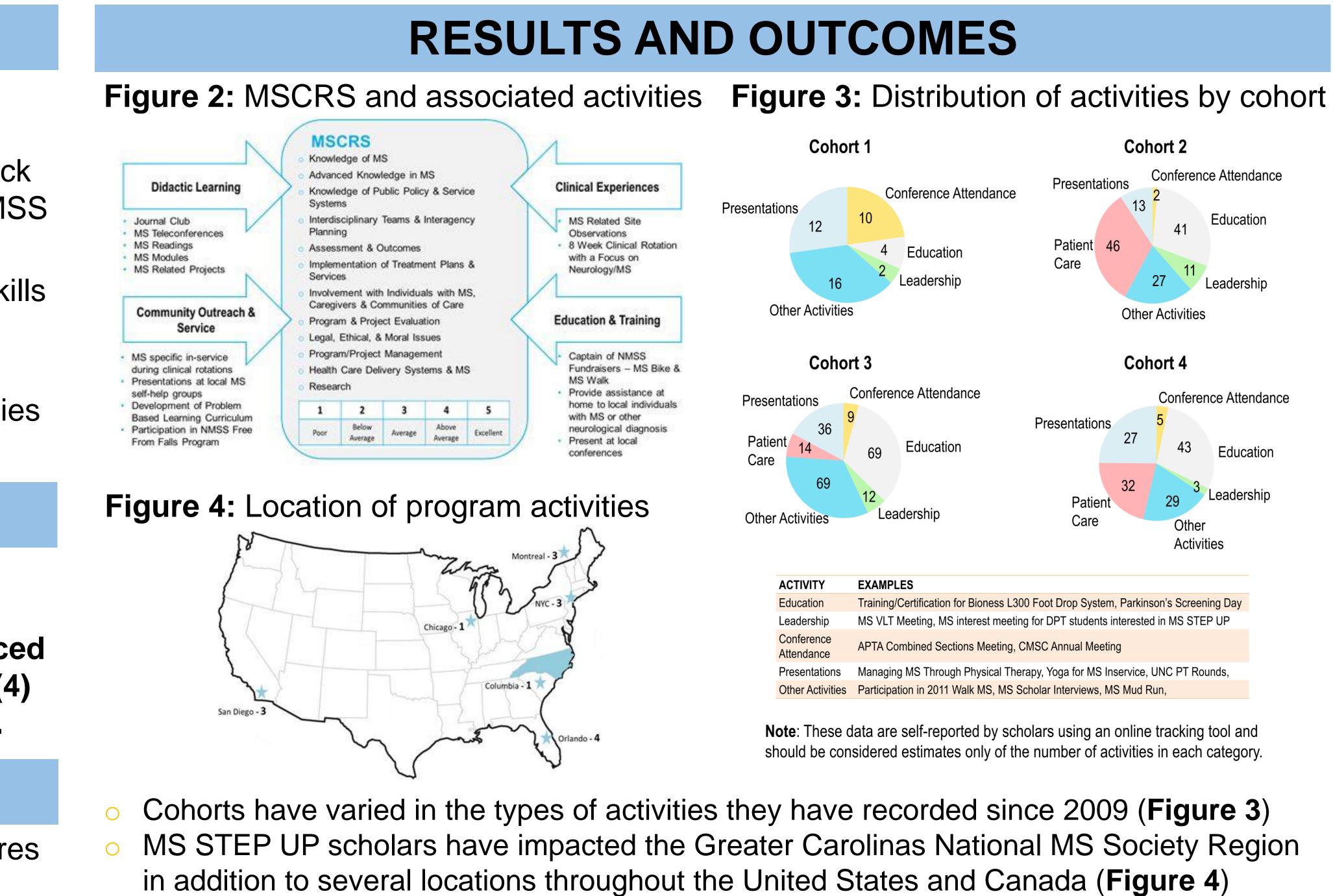
To evaluate the development of competencies across 4 domains of the MSCRS throughout the MS STEP UP program: (1) knowledge, (2) advanced knowledge, (3) assessment and outcomes, and (4) implementation of treatment plans and services.

METHODS

- Program timeline, activities, and outcome measures are illustrated in Figure 1 and Figure 2
- Data from 10 scholars (5 cohorts) who have completed the 2-year program were analyzed
- We analyzed the percentage of items in each of the 4 domains on which the scholars rated their knowledge as "above average" or "excellent" (as compared to entry-level DPTs) using a Domain x Time repeated measures ANOVA

Figure 1: MS STEP UP program overview





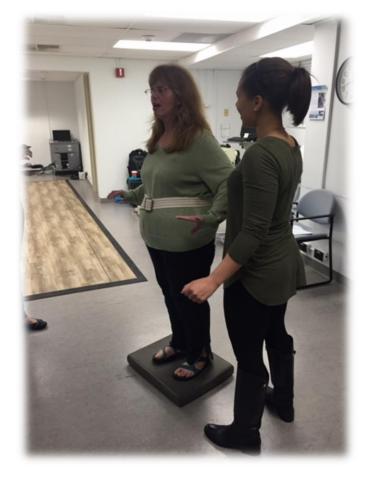




Figure 5: Percentage of MSCRS items in each of the 4 domain categories rated as "above average" or "excellent" at each time point



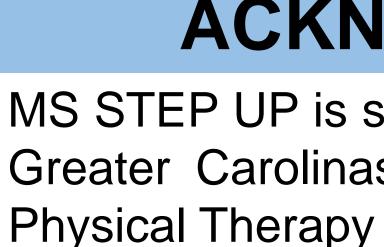
- Domain x Time interaction, F(6, 66)=4.47, p=0.001, η_{p}^{2} =0.29 • Percentage of items rated "above average" or "excellent" was higher at the end of the first year for general knowledge (78%) than for advanced knowledge (54%), assessment and outcomes (55%), and implementation of treatment plans and services (56%; p<0.01) (**Figure 5**) At the end of Year 2, scholars rated their knowledge as above average or excellent relative to entry-level DPTs on 96-100% of the items, with no
 - differences between domains

the MSCRS



programs

- 2015;17(S1):78.
- 2014;16(S3):86-87.







SUMMARY

First-year scholars rated highest in general knowledge, as compared to the other 3 domains of

MS STEP UP improves the clinical skills and knowledge of DPT students, as demonstrated by self-related competencies

Basic knowledge is primarily acquired in the first year of MS STEP UP, whereas advanced

knowledge and practice-related competencies develop over the two years

MS patient care will most likely benefit from the national expansion of MS STEP UP among DPT



REFERENCES

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2. Plummer P, Rosenberg A, Eustis HL, Miller J, Osinski A, Jacobs C, Meyer D, Gooch K, Johnston L. Four-year evaluation of a multiple sclerosis educational track for physical therapy students. International Journal of MS Care.

ACKNOWLEDGEMENTS

MS STEP UP is supported by the National MS Society, Greater Carolinas Chapter and the UNC Division of

