Advanced Practice Clinicians' Assessment of Care Strategies for Multiple Sclerosis Care

Lee J,¹ Mayer L,² Moore M,³ Namey M,⁴ Smith J,⁵ Butts D,⁶ DeBusk K,⁶ Knight J⁷

¹Stanford Healthcare, Palo Alto, CA; ²MS Clinic of Central Texas, Austin, TX; ³MS Center of Carolinas Medical Center, Charlotte, NC; ⁴Cleveland Clinic, Cleveland, OH; ⁵Oklahoma Medical Research Foundation, MS Center of Excellence, Oklahoma City, OK; ⁵Biogen, Boston, MA, ⁻Xcenda, Palm Harbor, FL

Sclerosis Centers 2016 Annual Meeting Jun 1- Jun 4, 2016 National Harbor, MD

Consortium of Multiple

INTRODUCTION

- Multiple sclerosis (MS) is a chronic disease that causes a wide array of symptoms and impacts various aspects of patient functioning.
- Care practice algorithms are disseminated by various multiple sclerosis (MS) care organizations, but tend to focus on pharmacological treatment selection and are mostly used by physicians.¹
- Establishing best practices for holistic MS patient care is a challenging endeavor for Advanced Practice Clinicians (APCs) due to the numerous and complex clinical and social factors that these health care professionals need to consider when caring for patients with MS.
- A need exists for a holistic approach to care management with a focus on both patients and caregivers.

OBJECTIVES

- Identify the most important unmet needs for MS patients.
- Define individual factors that APCs consider when caring for MS patients.
- Assess visual patient care models that identify multidisciplinary care team members.

METHODS

- An MS Care Strategies Steering Committee comprised of APCs designed a 49-question survey to better understand the complexity of caring for patients with MS and to develop a consensus-driven holistic model of care.
- The online survey was sent via email to all (~1000) members of the International Organization of MS Nurses (IOMSN) between June 29, 2015 and August 3, 2015. Participants were not reimbursed for their participation.
- The survey content focused on 11 common unmet needs in MS care and 79 care inputs to consider when caring for patients with MS. Survey respondents were asked to assign the care inputs into 3 broad categories: Patient Profile, Disease Course, and Other Care Considerations. Consensus was defined as ≥ 50% of respondents assigning a care input to a category.
- The committee developed 3 MS patient care models to represent multidisciplinary care teams. Survey respondents rated the relevance of the 3 models across 7 attributes on a scale from 1-7; 1 is extremely negative and 7 is extremely positive.
- Descriptive analyses were used to characterize the survey results.

RESULTS

 Thirty respondents completed the survey (response rate: ~3%). The majority of respondents identified themselves as MS Certified and/ or Registered Nurses (90%) and reported working in an MS Center of Excellence (70%).

Unmet Needs in MS Care

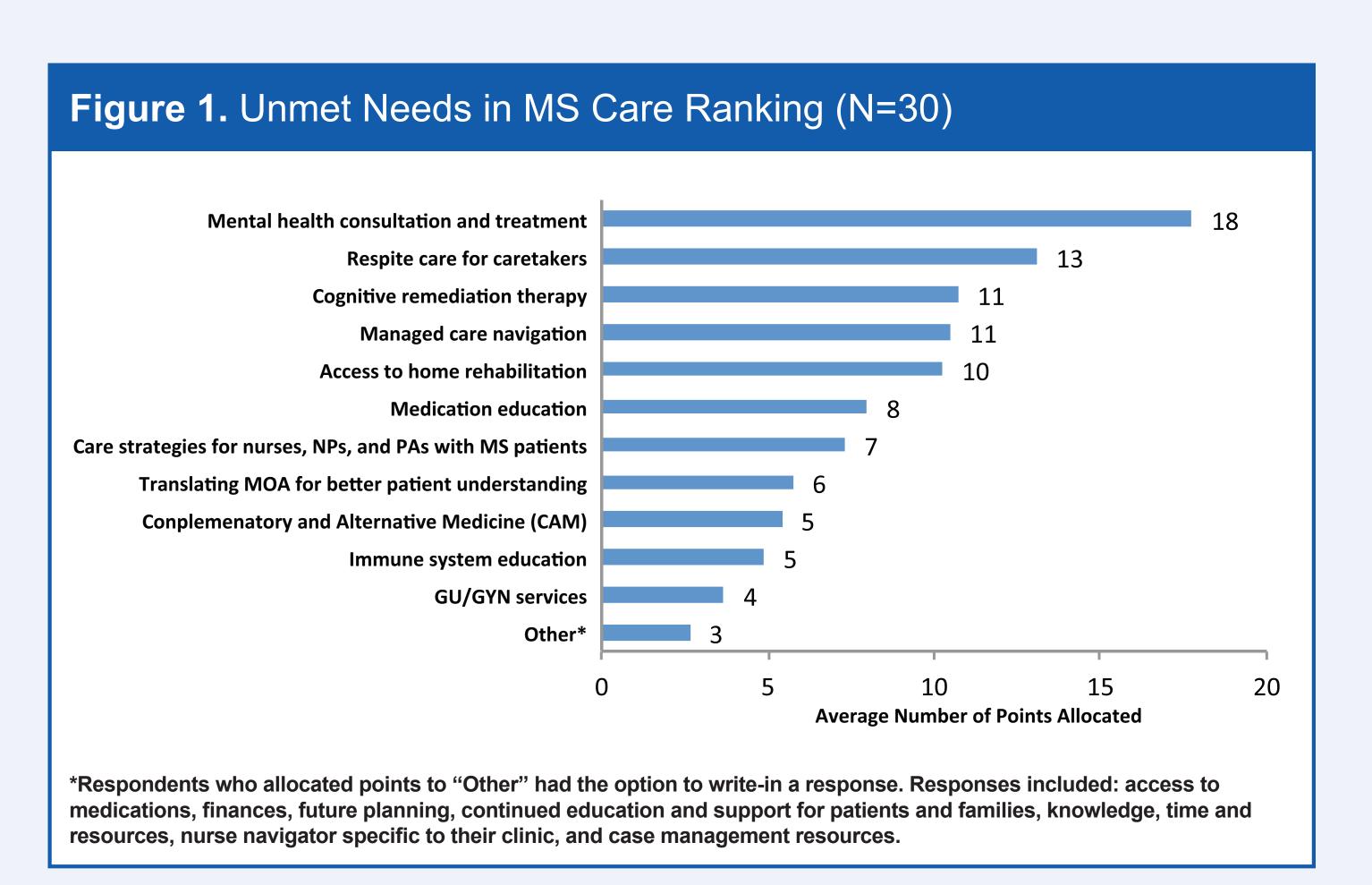
• Mental health consultation and treatment, respite care for caretakers, and cognitive remediation therapy were ranked as the top 3 unmet needs in MS care (Figure 1).

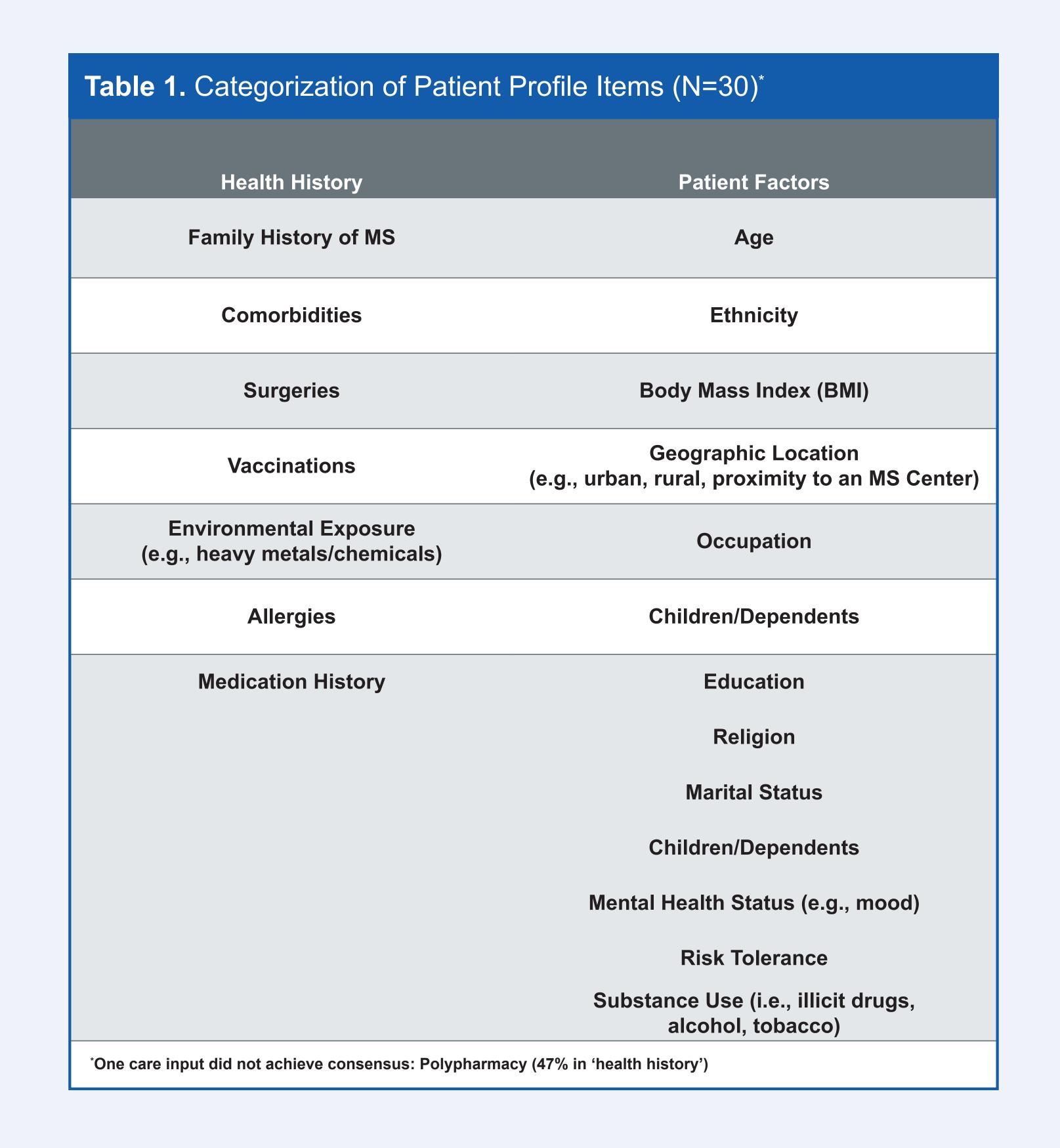
Care Input Category

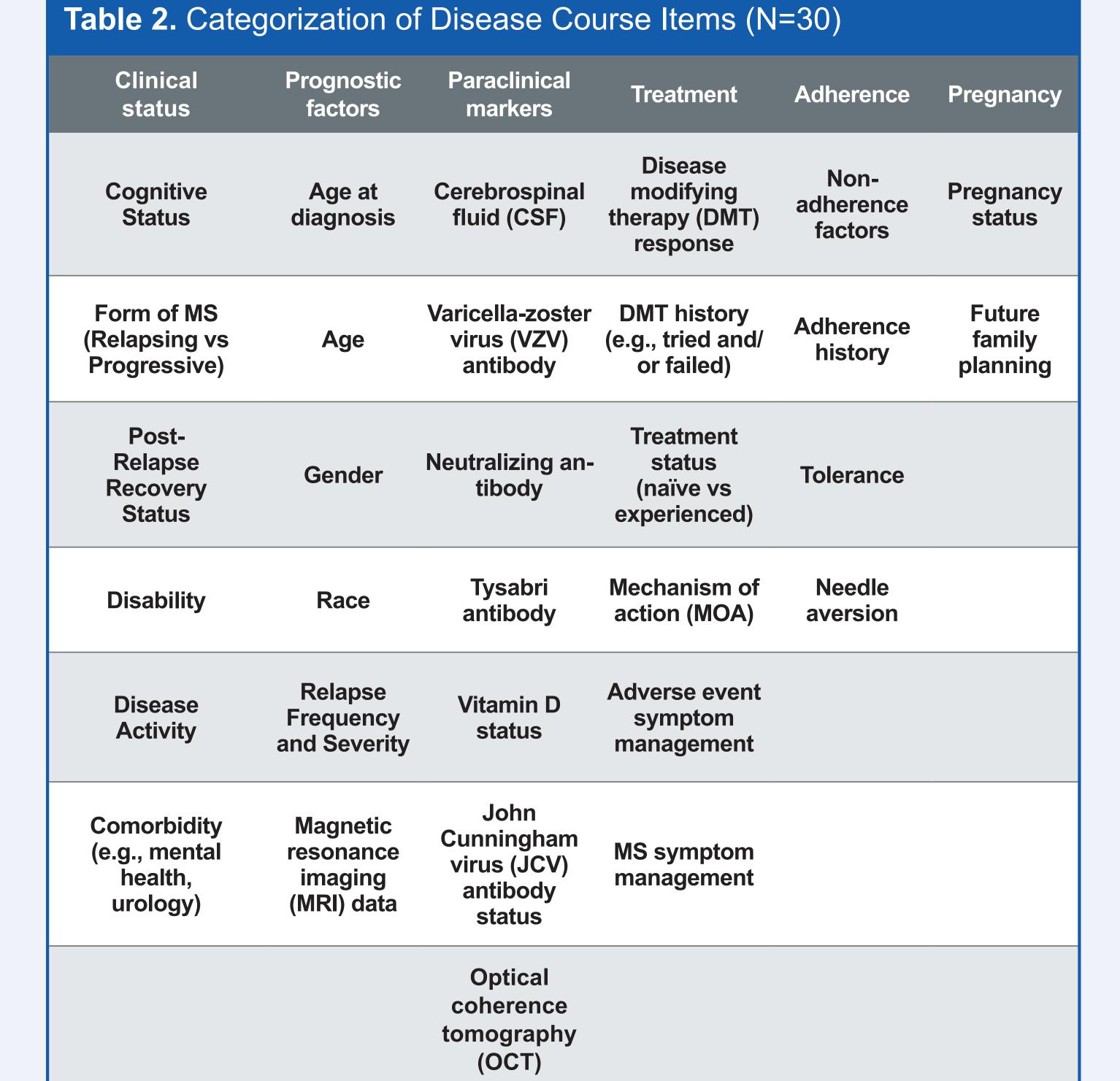
• There was consensus among 75 of the 79 care inputs (95%) across all patient care categories (Tables 1-3).

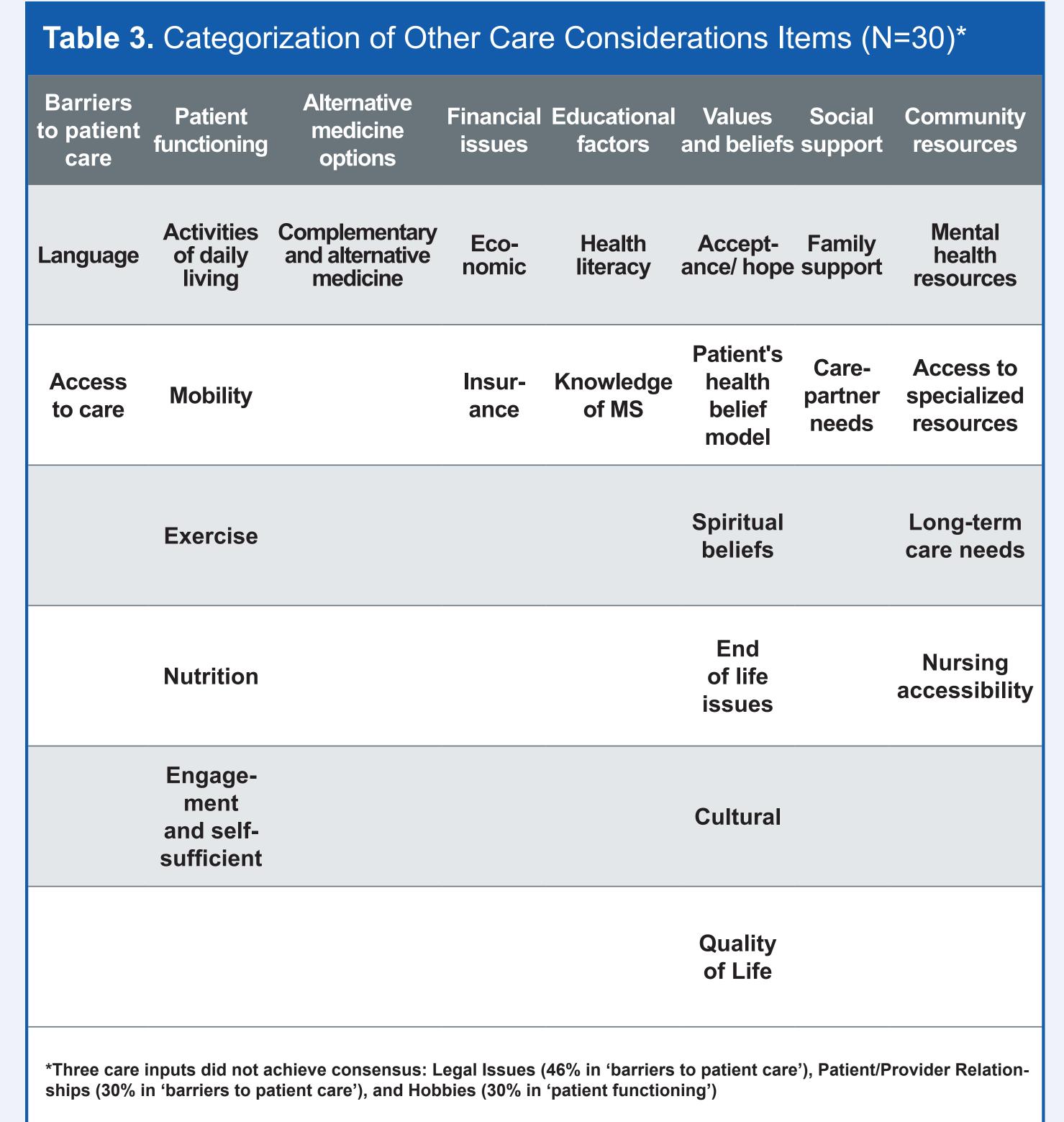
MS Patient Care Model Evaluation

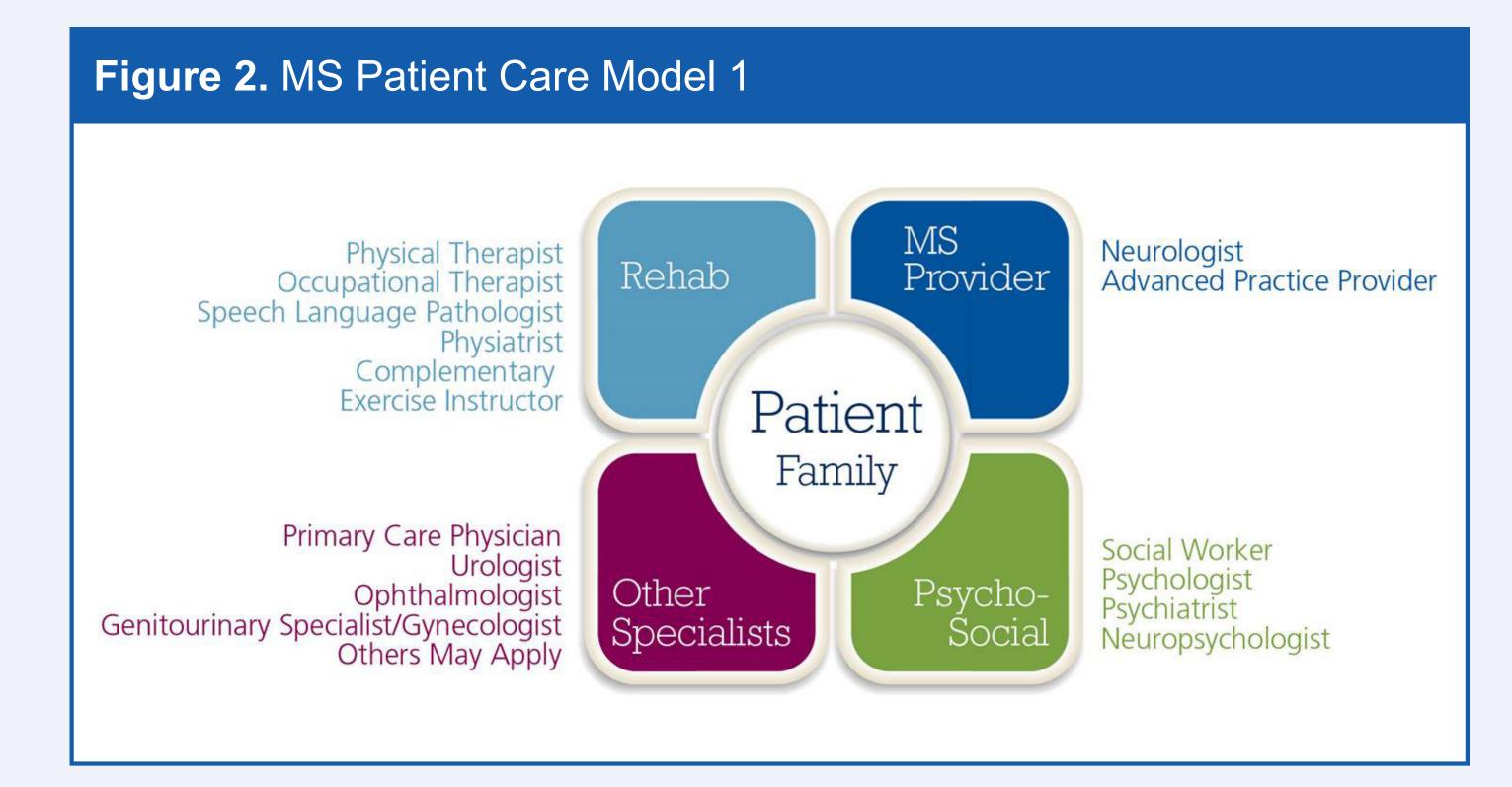
- A majority of the survey respondents (67%, n=20) had moderate to extremely positive impression of the MS Patient Care Model 1 that focused on the patient and their family, emphasizing the fluidity and interconnectedness of the multidisciplinary MS care team (Figure 2).
- Survey respondents rated MS Patient Care Model 1 as "moderately positive" for 6 of the 7 attributes in the survey. The highest rated attribute for MS Patient Care Model 1 was "easy to interpret" (average rating: 5.67), followed by "relevant to my practice" and "easy to explain" (average rating 5.60).











CONCLUSIONS

- There is substantial agreement on aspects of care that is important when treating patients with MS from the APC perspective.
- Caring for a patient with MS is multifaceted and can be conveyed visually to patients and APCs to simplify its complexity.
- Future work should validate the care inputs with patients and ensure that the model represents their experience. Such a model may enable patients with MS to better communicate their needs to their care team, potentially resulting in overall better treatment outcomes for patients and their families.
- Greater importance must be given to providing a continuum of care that includes an interdisciplinary team approach and promotes quality comprehensive care for patients with MS.

LIMITATIONS

• Given the low response rate, findings from this study may not be generalizable to all APCs. Future research should attempt to replicate the findings.

References

1. Ford C. Therapeutic Decision Making in Multiple Sclerosis: Proceedings of a CMSC Consensus Conference. *Int J MS Care*. 2014(16);6: 13.

Acknowledgments

This research was funded by Biogen, Cambridge, MA, USA. Poster presented at the Consortium of Multiple Sclerosis Centers (CMSC) Annual Meeting on June 1-4, 2016 at National Harbor, Maryland.

