

Attitudes toward Vaccines in People with Multiple Sclerosis

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Background

- Advances in multiple sclerosis (MS) disease modifying therapies have introduced medications that have a greater effect on the immune system.
- Clinicians treating MS need to address the risk of infections including the appropriate use of vaccinations.
- Understanding how patients perceive vaccinations in the context of MS is important for guiding patient-provider interactions around vaccination.
 - To characterize the attitudes and knowledge of people with MS towards vaccines.

- Methods
- All patients with MS in our clinic from Sep to Dec 2017 were invited to complete an anonymous questionnaire.

Measures:

- Perceptions and beliefs towards vaccines
- Sources of information re vaccination
- Vaccines received
- Reasons for not getting recommended vaccinations.

Demographic s (n=197)	
Age (years, mean ±SD)	48.5 (± 12.7)
Gender	133 (67%) women
Ethnicity	174 (88.33%) white
Education	32 (16.33%) graduated high school or less 107 (54.59%) graduated college or higher
Duration of MS (years, mean ±SD)	11 (± 9.9)
PDDS (Patient Determined Disease Steps)	71 (35.86%) Normal, mild disability (0-1) 64 (32.32%) Moderate disability (2) 32 (16.16%) Early cane (3) 20 (10.10%) Late cane, bilat support (4-5) 11 (5.56%) Wheelchair (6)
Disease Modifying Therapy (DMT)	29 (17.90%) No current DMT 133 (82.09%) on DMT (41% oral, 30% injectable, 29% infusion)

Conclusions

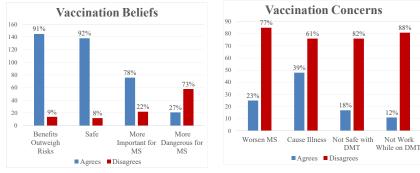
While attitudes to vaccines were generally positive, specific knowledge about vaccines in people with MS was lacking. A large percentage of those surveyed had not talked to a healthcare provider about vaccines and many patients had not received vaccinations.

This study highlights the importance of educating people with MS about the role and safety of vaccines in their specific situation.

Results

Influenza and Hepatitis **Pneumonia Vaccination VZV Vaccination Rate** Vaccination Rate Rate 120 63% 100 80 148, 76% 47, 24% 174.89% 22, 11% <60 vo >60 vo ≤65 yo ≥65 yc 14 7% 60 45% 40 20 Under 60 years Received VZV Under 65 years Received vaccine Influenza Hepatitis B Did not receive Unsure Hepatitis A Did not receive Unsure Ves No No answer

Only 40.7% reported that a health care professional had discussed vaccines with them.



Vaccination rates varied by vaccine