Clinicians' Online Neurology Network Empowering Communities through Telemedicine - Multiple Sclerosis (CONNECT-MS)



Introduction

- California's deserts and Central Coast are medically underserved areas for people living with multiple sclerosis.
- The National Multiple Sclerosis Society's Southern California and Nevada Chapter estimated that there are many clients living with multiple sclerosis in geographic areas of highest need of specialized MS care:

Riverside County	.1818
San Luis Obispo County	487
Bakersfield/Kern County	692
Visalia/Tulare County	205

Objective

To develop and deliver a comprehensive telemedicine program for neurologists, primary care clinicians and patients that increases both providers' and patients' awareness of state-ofthe-art care while creating quantifiable improvements in quality and coordination of care

Acknowledgment

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Methods

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• Participating clinicians chose their preferred formats to receive continuing education including on-site training and online videos.

 Clinicians completed a pre-test to identify specific learning needs for MS care and demographics of their patients.

 The curriculum included early identification of MS, neurological examination, work-up, disease-modifying therapies, managing exacerbations, pediatric MS, progressive MS, and symptom management including exacerbations, mobility, bladder and bowel issues, depression and other comorbidities, and mistreatment of people with MS.

• Using HIPAA-compliant telemedicine software, a fellowship-trained neuroimmunologist offered remote consultations to neurologists for their most complex MS patients.

• We established a new telemedicine clinic for teenagers living with MS in Ventura County.

Results

- The project team project team
- 12 educational presei
- 39 telemedicine cons
- Before and after par education program, 24-item multiple-cho knowledge about MS





	Results
ovided:	 Mean scores:
entations	 Pretest: 7.84 ± 0.6 (95% CI 6.
sultations	 Post-test: 13.64 ± 1.1 (95% C
rticipating in the MS 17 clinicians completed a bice test of their medical S.	 Robust effect size of 1.30 was all clinician types (<i>p</i> value < 0. Participating clinicians, patient provided positive feedback.

Conclusion

We established a comprehensive telemedicine network throughout the Central California Coast in collaboration with Ventura County Medical Center and the University of California, Riverside School of Medicine.

References

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.49 - 9.19) CI 11.33 – 15.96) s equal across .001). its and families