



AATO

Asociación Argentina
Terapistas Ocupacionales

RECURSOS EN
TELESALUD

CAPÍTULO DE TECNOLOGÍA ASISTIVA



Hoy en día, el Coronavirus (COVID-19) y el distanciamiento social han puesto a la telesalud en primera línea. A medida que la telesalud se vuelve imprescindible en medio de la pandemia de COVID19, los profesionales de la terapia ocupacional hemos estado trabajando y abogando por hacer que esta opción de salud remota esté aún más disponible en la mayoría de los campos y servicios de rehabilitación.

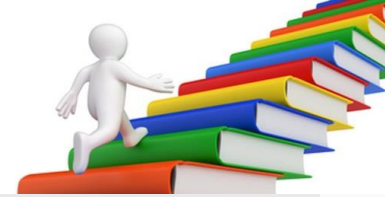
Desde el [Capítulo de Tecnología Asistiva de la AATO](#), queremos facilitar el acceso de colegas a la asistencia remota, es así como buscamos recursos y herramientas que consideramos importantes compartir.

Podrán encontrar links de acceso, que si bien la mayoría son en inglés, los hemos seleccionados por su fortaleza de contenido, evidencia científica y son de uso libre.

Les compartimos una breve reseña de la temática de los mismos; así como artículos de investigación sobre telesalud en TO.



- Organización completamente enfocada en acelerar la adopción de telesalud.
<https://www.americantelemed.org/resource/why-telemedicine/>
- Consorcio Nacional de Centros de Recursos de telesalud: proporciona asistencia, educación e información a organizaciones e individuos que brindan activamente o están interesados en brindar atención médica a distancia.
<https://www.telehealthresourcecenter.org/>
- Guía de decisiones que describe las diversas consideraciones y recursos para brindar telesalud en terapia ocupacional.
<https://www.aota.org/~media/Corporate/Files/Practice/Manage/Occupational-Therapy-Telehealth-Decision-Guide.pdf>
- Blog de telesalud en Terapia Ocupacional
<https://otpotential.com/blog/telehealth-occupational-therapy>
- Involucrando la telepráctica en su práctica de terapia ocupacional
http://www.osot.on.ca/docs/practice_resources/OSOT_Telepractice_Resource_April_2020.pdf



- Consideraciones para la prestación de servicios de terapia ocupacional a través de medios virtuales <https://acot.ca/wp-content/uploads/2020/06/Interim-Practice-Guideline-on-OT-Service-Delivery-Using-Virtual-Means.pdf>
- Seminario web que brinda una visión general de la evidencia de tele-rehabilitación en **personas con daño neurológico** con ejemplos clínicos (A Pragmatic Overview of the Research and Implementation of Tele-Rehabilitation with Neurological Populations (April 1). <https://physiotherapy.ca/prgamic-overview-research-and-implementation-tele-rehabilitation-neurological-populations-april-1>
- Guía de Teleasistencia Domiciliaria **en personas mayores**: beneficios, áreas de aplicación, requisitos tecnológicos y posibles modelos de negocio a partir de los estudios y experiencias existentes http://oiss.org/wp-content/uploads/2000/01/GUIA_DE_TELEASISTENCIA_DOMICILIARIA_Prog-Ib-def-.pdf
- Blog Escolar de Escuela N° 34 de Adultos con Discapacidad visual de CABA <http://escuela34sanmartin.blogspot.com/>

Evaluación en telesalud

- Baker, N. & Jacobs, K. (in press). The feasibility and accuracy of using a remote method to assess computer workstations. *Human Factors*.
- Dreyer, N.C., Dreyer, K. A., Shaw, D. K., & Wittman, P. (2001). Efficacy of telemedicine in occupational therapy: A pilot study. *Journal of Allied Health*, 30(1), 39-42.
- Durfee, W. K, Savard, L., & Weinstein, S. (2007). Technical feasibility of teleassessments for rehabilitation. *IEEE Transactions of Neural Systems and Rehabilitation Engineering*, 15, 23-29.
- Hoffman, T. & Russell, T. (2008). Pre-admission orthopaedic occupational therapy home visits conducted using the internet. *Journal of Telemedicine and Telecare*, 14, 83-87.



Evaluación en telesalud

- Jacobs, K., Blanchard, B., & Baker, N. (2012). Telehealth and ergonomics: A pilot study. *Technology and Health Care*, 20(5), 445-458.
- Hoffman, T., Russell, T., Thompson, L., Vincent, A., & Nelson, M. (2008). Using the internet to assess activities of daily living and hand function in people with Parkinson's disease. *NeuroRehabilitation*, 23, 253-261.
- Palsbo, S. E., Dawson, S. J., Savard, L., Goldstein, M., & Heuser, A. (2007). Televideo assessment using Functional Reach Test and European Stroke Scale. *Journal of Rehabilitation Research & Development*, 44, 659-664.
- Sanford, J. A., Jones, M., Daviou, P., Grogg, K., & Butterfield, T. (2004). Using telerehabilitation to identify home modification needs. *Assistive Technology*, 16(1), 43-53.
- Schein, R. M., Schmeler, M. R., Holm, M. B., Pramuka, M., Saptono, A., & Brienza, D. M. (2011).
- Telerehabilitation assessment using the Functioning Everyday with a Wheelchair-Capacity instrument. *Journal of Rehabilitation Research & Development*, 48(2), 115-124.



Intervención en telesalud

- Chumbler, N. R., Quigley, P., Li, X., Morey, M., Rose, D., Sanford, J., . . . Hoenig, H. (2012). Effects of telerehabilitation on physical function and disability for stroke patients: a randomized, controlled trial. *Stroke*, 43(8), 2168-2174. doi:10.1161/STROKEAHA.111.646943.
- Germain, V., Marchand, A., Bouchard, S., Drouin, M.S., & Guay, S. (2009). Effectiveness of cognitive behavioural therapy administered by videoconference for posttraumatic stress disorder. *Cognitive Behavioral Therapy*, 38(1), 42-53.
- Harada, N., Dhanani, S., Elrod, M., Hahn, T., Kleinman, L., & Fang, M. (2010). Feasibility study of home telerehabilitation for physically inactive veterans. *Journal of Rehabilitation Research and Development*, 47, 465-476.
- Hegel, M.T., Lyons, K.D., Hull, J.G., Kaufman, P., Urquhart, L., Li, Z., & Ahles, T.A. (2011). Feasibility study of a randomized controlled trial of a telephone-delivered Problem Solving-Occupational Therapy intervention to reduce participation restrictions in rural breast cancer survivors undergoing chemotherapy. *Psycho-oncology*, 20, 1092-1101.
- Hermann, V. H., Herzog, M., Jordan, R., Hofherr, M., Levine, P., & Page, S. J. (2010). Telerehabilitation and electrical stimulation: An occupation-based, client-centered stroke intervention. *The American Journal of Occupational Therapy*, 6473-81.



Intervención en telesalud

- Jang, S. H., Jung, H. Y., Jang, D. H., Kim, Y. T., Seo, J. P., & Jang, W. H. (2013). The Effect of a Memory Training Application for a Patient with Traumatic Brain Injury. *Journal of Physical Therapy Science*, 25(1), 143-146.
- Kairy, D., Lehoux, P., Vincent, C., & Visintin, M. (2009). A systematic review of clinical outcomes, clinical process, healthcare utilization and costs associated with telerehabilitation. *Disability and Rehabilitation*, 31 (6), 427-447.
- Lai, J. C., Woo, J., Hui, E., & Chan, W. M. (2004). Telerehabilitation – A new model for community-based stroke rehabilitation. *Journal of Telemedicine and Telecare*, 10, 199-205.
- Neubeck, L., Redfern, J., Fernandez, R., Briffa, T., Bauman, A., & Freedman, S.B. (2009). Telehealth interventions for the secondary prevention of coronary heart disease: A systematic review. *European Journal of Cardiovascular Preventive Rehabilitation*, 16, 281-289.
- Ng, E. M., Polatajko, H. J., Marziali, E., Hunt, A., & Dawson, D. R. (2013). Telerehabilitation for addressing executive dysfunction after traumatic brain injury. *Brain Injury*, 27(5), 548-564.



Intervención en telesalud

- Redzuan, N. S., Engkasan, J. P., Mazlan, M., & Freddy Abdullah, S. J. (2012). Effectiveness of a video-based therapy program at home after acute stroke: a randomized controlled trial. *Arch Phys Med Rehabil*, 93(12), 2177-2183. doi: 10.1016/j.apmr.2012.06.025
- Russell, T., Buttrum, P., Wootton, R., & Jull, G. (2003). Low-bandwidth telerehabilitation for patients who have undergone total knee replacement: preliminary results. *Journal of Telemedicine and Telecare*, 9(2), 44-47.
- Russell, T., Buttrum, P., Wootton, R., & Jull, G. (2010). Internet-based outpatient telerehabilitation for patients following total knee arthroplasty: A randomized controlled trial. *Journal of Bone and Joint Surgery*, 93(2), 113-120.
- Steele, K., Cox, D., & Garry, H. (2011). Therapeutic videoconferencing interventions for the treatment of long-term conditions. *Journal of Telemedicine and Telecare*, 17, 109-117.



Intervención en telesalud

- Tuerk, P.W., Yoder, M., Ruggiero, K.J., Gros, D.F., & Acierno, R. (2010). A pilot study of prolonged exposure therapy for posttraumatic stress disorder delivered via telehealth technology. *Journal of Traumatic Stress*, 23, 116-23.
- Criss, M.J. (2013) School-based telerehabilitation in occupational therapy: Using telerehabilitation technologies to promote improvements in student performance. <http://telerehab.pitt.edu/ojs/index.php/Telerehab/article/view/6115>
- Morando Rhim, L. and Kowal, J. (2008). Demystifying special education in virtual charter schools. https://www.in.gov/icsb/files/Demystifying_Sped_in_Virtual_Charter_Schools_2008.pdf
- Telerrehabilitación para personas con baja visión
https://www.cochrane.org/es/CD011019/EYES_telerrehabilitacion-para-personas-con-baja-vision
- Rehabilitación de la baja visión para mejorar la calidad de vida de adultos con problemas de visión
https://www.cochrane.org/es/CD006543/EYES_rehabilitacion-de-la-baja-vision-para-mejorar-la-calidad-de-vida-de-adultos-con-problemas-de-vision



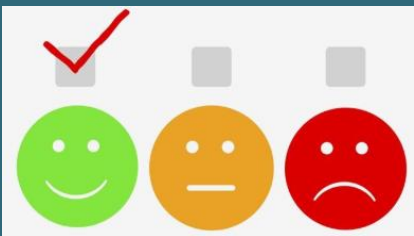
Satisfacción con telesalud

- Cason, J. (2009). A pilot telerehabilitation program: Delivering early intervention services to rural families. *International Journal of Telerehabilitation*, 1(1), 29-37.
- Cason, J., Behl, D., & Ringwalt, S. (2012). Overview Of States' use Of Telehealth For The Delivery Of Early Intervention (Idea Part C) Services. *International Journal of Telerehabilitation*, 4(2).
- Criss, M. J. (2013). School-Based Telerehabilitation In Occupational Therapy: Using Telerehabilitation Technologies To Promote Improvements In Student Performance. *International Journal of Telerehabilitation*, 5(1).
- Harper, D. C. (2006). Telemedicine for children with disabilities. *Children's Health Care*, 35(1), 11-27.
- Hermann, V. H., Herzog, M., Jordan, R., Hofherr, M., Levine, P., & Page, S. J. (2010). Telerehabilitation and electrical stimulation: An occupation-based, client-centered stroke intervention. *The American Journal of Occupational Therapy*, 64, 73-81.



Satisfacción con telesalud

- Kairy, D., Lehoux, P., Vincent, C., & Visintin, M. (2009). A systematic review of clinical outcomes, clinical process, healthcare utilization and costs associated with telerehabilitation. *Disability and Rehabilitation*, 31 (6), 427-447.
- Kelso, G., Fiechtl, B., Olsen, S., & Rule, S. (2009). The feasibility of virtual home visits to provide early intervention: A pilot study. *Infants & Young Children*, 22, 332-340.
- Russell, T., Buttrum, P., Wootton, R., & Jull, G. (2010). Internet-based outpatient telerehabilitation for patients following total knee arthroplasty: A randomized controlled trial. *Journal of Bone and Joint Surgery*, 93(2), 113-120.
- Steele, K., Cox, D., & Garry, H. (2011). Therapeutic videoconferencing interventions for the treatment of long-term conditions. *Journal of Telemedicine and Telecare*, 17, 109-117



Autoeficacia con telesalud

- Sanford, J. A., Griffiths, P. C., Richardson, P., Hargraves, K., Butterfield, T., & Hoenig, H. (2006). The effects of in-home rehabilitation on task self-efficacy in mobility-impaired adults: A randomized clinical trial. *Journal of the American Geriatrics Society*, 54, 1641-1648.
- Suter, P., Suter, W.N., & Johnston, D. (2011). Theory-based telehealth and patient empowerment. *Population Health Management*, 14(2), 87-92.

Otros

- Rogante, M., Grigioni, M., Cordella, D., & Giacomozzi, C. (2010). Ten years of telerehabilitation: A literature overview of technologies and clinical applications. *Neurorehabilitation*, 27, 287-304.
- Vismara, L., Young, G., Stahmer, A., Griffith, E., & Rogers, S. (2009). Dissemination of evidence-based practice: Can we train therapists from a distance? *Journal of Autism and Developmental Disorders*, 39, 1636-1651
- DiGiovanni G, Mousaw K, Lloyd T, et al. **Development of a telehealth geriatric assessment model in response to the COVID-19 pandemic.** *J Geriatr Oncol.* 2020;11(5):761-763. doi:10.1016/j.jgo.2020.04.007
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7164886/>
- Chien, L., Roberts, E., Soto-Perez-de-Celis, E., Katheria, V., Hite, S., Tran, R., ... & Hughes, S. F. D. S. (2020). Telehealth in geriatric oncology: **A novel approach to deliver multidisciplinary care for older adults with cancer.** *Journal of geriatric oncology*, 11(2), 197-199. [https://www.geriatriconcology.net/article/S1879-4068\(19\)30192-4/fulltext](https://www.geriatriconcology.net/article/S1879-4068(19)30192-4/fulltext)

Otros

- Michael Brignell, Richard Wootton, Len Gray, **The application of telemedicine to geriatric medicine**, *Age and Ageing*, Volume 36, Issue 4, July 2007, Pages 369–374, <https://doi.org/10.1093/ageing/afm045>
- Narasimha, S., Madathil, K. C., Agnisarman, S., Rogers, H., Welch, B., Ashok, A., ... & McElligott, J. (2017). **Designing telemedicine systems for geriatric patients: a review of the usability studies**. *Telemedicine and e-Health*, 23(6), 459-472. <https://doi.org/10.1089/tmj.2016.0178>
- Telehealth in Occupational Therapy. *Am J Occup Ther*. 2018;72(Supplement_2):7212410059p1-7212410059p18. doi:10.5014/ajot.2018.72S219.
- Sarsak HI. Telerehabilitation services: a successful paradigm for occupational therapy clinical services? *Int Phys Med Rehab J*. 2020;5(2):93–98. DOI: 10.15406/ipmrj.2020.05.00237
- Hung Kn G, Fong KN. Effects of telerehabilitation in occupational therapy practice: A systematic review. *Hong Kong J Occup Ther*. 2019;32(1):3-21. doi:10.1177/1569186119849119 <https://doi.org/10.1177/1569186119849119>
- American Journal of Occupational Therapy. (February 2015). Telehealth and Occupational Therapy: Integral to the Triple Aim of Health Care Reform. Vol. 69, 6902090010p1-6902090010p8. doi:10.5014/ajot.2015.692003. <https://ajot.aota.org/article.aspx?articleid=2110756>
- https://www.researchgate.net/publication/265055545_Telerehabilitation_for_people_with_low_vision
- https://journal.opted.org/articles/Volume40_Number1_Fall2014-EducatorsPodium2.pdf
- <https://www.ohsu.edu/casey-eye-institute/navigating-covid-19-visual-impairment>

Compartimos con ustedes la importancia de hacer uso razonable de la metodología de Telesalud, basándonos tanto en la evidencia bibliográfica como en el propio recorrido profesional y del equipo terapéutico.

El conocimiento que vayamos adquiriendo en el uso de las diversas plataformas y recursos tecnológicos, se verá reflejado en cada intervención, posibilitando que las personas que atendemos puedan acceder también a éstas herramientas y así favorecer la concreción de los objetivos hacia una atención de mayor calidad.

Si quieren sumar recursos pueden contactarnos a:

asocato@gmail.com



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¡ SIGAMOS CONSTRUYENDO
JUNTOS!

CAPÍTULO DE TECNOLOGÍAS DE APOYO