

Compiled by Michael Edwards, PhD, Northeast Telehealth Resource Center, June 2019
Explore the complete NETRC Resource Library at www.netrc.org/resource-library

Topic Table

General reviews and overviews	--Genetics
Mental health and psychiatry	--Neurology
--Practice guidelines and outcome reviews	--Ophthalmology
--Research and demonstration studies	--Otolaryngology
Pediatric primary care	--Palliative care
Pediatric specialty care	--Rehabilitation
--Autism diagnosis and care	--Surgical
--Cardiology	Obstetrics and prenatal care
--Critical care and emergency medicine	Forensics and care of abused children
--Dermatology	Dentistry
--Developmental assessments	Home-based care

Note: Resources with PubMed link is publicly accessible only as an abstract.

General reviews and overviews

Alverson D, Hall-Barrow J, Dion DM, et al. 15 million kids in health care deserts: Can telehealth make a difference? Children's Health Fund, April, 2016 [pdf](#)

Armoiry X, Sturt J, Phelps EE, et al. Digital clinical communication for families and caregivers of children or young people with short- or long-term conditions: rapid review. *J. Med. Internet Res.* 20(1):e5, 2018 [htm](#)

Baker J, Stanley A. Telemedicine technology: a review of services, equipment, and other aspects. *Curr. Allergy Asthma Rep.* 18(11):60, 2018 [PubMed](#)

Brophy PD. Overview on the challenges and benefits of using telehealth tools in a pediatric population. *Adv. Chronic Kidney Dis.* 24(1):17-21, 2017 [htm](#)

Burke BL Jr. Telemedicine: Pediatric applications. *Pediatrics* 136(1): e293-308, 2015 [Link](#)

Hersh WR, Hickam DH, Severance S, Dana T, Krages S, Helfand M. Telemedicine for the Medicare Population (Update). Summary, Evidence Report/Technology Assessment. Agency for Healthcare Research and Quality, Rockville, MD, 2006. [htm](#)

Hersh WR, Hickam DH, Severance SM, Dana TL, Pyle Krages K, Helfand M. Diagnosis, access and outcomes: Update of a systematic review of telemedicine services. *J. Telemed. Telecare* 12 (Suppl. 2):S3-31, 2006. [pdf](#)

Hooshmand M, Yao K. Challenges facing children with special healthcare needs and their families: telemedicine as a bridge to care. *Telemed. eHealth* 23(1):18-24, 2017 [PubMed](#)

Kressly SJ. Extending the medical home to meet your patients' mental health needs: is telehealth the answer? *Pediatrics* [epub ahead of print], February 2019 [PubMed](#)

Marcin JP, Shaikh U, Steinhorn RH. Addressing health disparities in rural communities using telehealth. *Nature* 76(1): 169-176, 2016 [htm](#)

McConnochie KM. Pursuit of value in connected healthcare. *Telemed. eHealth* 21(11):863-869, 2015 [htm](#)

Roth DE. How telemedicine can change the patient care paradigm: integrating pediatrics and mental health care by decentralizing and distributing expertise. Mind & Body Works, Inc., 2014 [pdf](#)

Roth D, Zekovic-Roth S, Yasutake M, Richardson M. Virtual School Visit: A guidebook for school staff who administer and facilitate school-based telehealth services. Mind & Body Works, Inc., 2016 [pdf](#)

Sanchez D, Reiner JF, Sadlon R, Price OA, Long MW. Systematic review of school telehealth evaluations. *J. Sch. Nurs.* 35(1):61-76, 2019 [PubMed](#)

Sheikhtaheri A, Kermani F. Telemedicine in diagnosis, treatment and management of diseases in children. *Stud. Health Technol. Inform.* 248:148-155, 2018 [PubMed](#)

Vigil R, Kattlove J, Calouro C, Kwong MW. Realizing the promise of telehealth for children with special health care needs. Lucile Packard Foundation for Children's Health, August 2015 [htm](#)

Wade VA, Karnon J, Elshaug AG, Hiller JE. A systematic review of economic analyses of telehealth services using real time video communication. *BMC Health Serv. Res.* 10: 233, 2010 [htm](#)

Mental health and psychiatry

--Practice guidelines and outcome reviews

- American Academy of Child and Adolescent Psychiatry (AACAP) Committee on Telepsychiatry and AACAP Committee on Quality Issues. Clinical Update: Telepsychiatry with children and adolescents. *J. Amer. Acad. Child Adolesc. Psychiatry* 56(10):875-893, 2017 [pdf](#)
- ATA Telemental Health Guidelines and Standards Working Group. Evidence-Based Practice for Telemental Health. American Telemedicine Association, July 2009 [htm](#)
- ATA Telemental Health Guidelines and Standards Working Group. Practice Guidelines for Videoconferencing-Based Telemental Health. American Telemedicine Association, Oct. 2009 [htm](#)
- Boydell KM, Hodgins M, Pignatiello A, Teshima J, Edwards H, Willis D. Using technology to deliver mental health services to children and youth: a scoping review. *J. Can. Acad. Child Adolesc. Psychiatry* 23(2):87-99, 2014 [htm](#)
- Chou T, Comer JS, Turvey CL, Karr A, Spargo G. Technological considerations for the delivery of real-time child telemental healthcare. *J. Child Adolesc. Psychopharmacol.* 26(3):192-197, 2016 [htm](#)
- Comer JS, Myers K. Future directions in the use of telemental health to improve the accessibility and quality of children's mental health services. *J. Child Adolesc. Psychopharmacol.* 26(3): 296–300, 2016 [htm](#)
- Crum KI, Comer JS. Using synchronous videoconferencing to deliver family-based mental healthcare. *J. Child Adolesc. Psychopharmacol.* 26(3):229-234, 2016 [htm](#)
- Diamond JM, Bloch RM. Telepsychiatry assessments of child or adolescent behavior disorders: a review of evidence and issues. *Telemed. eHealth* 16(6):712-716, 2010 [pdf](#)
- Duncan AB, Velasquez SE, Nelson EL. Using videoconferencing to provide psychological services to rural children and adolescents: a review and case example. *J. Clin. Child Adolesc. Psychol.* 43(1):115-127, 2014 [htm](#)
- Fazel M, Hoagwood K, Stephan S, Ford T. Mental health interventions in schools 1: Mental health interventions in schools in high-income countries. *Lancet Psychiatry* 1(5):377-387, 2014 [htm](#)
- Fisher E, Law E, Palermo TM, Eccleston C. Psychological therapies (remotely delivered) for the management of chronic and recurrent pain in children and adolescents. *Cochrane Database Syst Rev.* 3: CD011118, 2015 [htm](#)
- Gale J, Lambert D. Exploring the business case for children's telebehavioral health. Technical Assistance Network for Children's Behavioral Health, The Institute for Innovation & Implementation, March 2015 [htm](#)
- Gloff NE, LeNoue SR, Novins DK, Myers K. Telemental health for children and adolescents. *Int. Rev. Psychiat.* 27(6): 513-524, 2015 [PubMed](#)
- Goldstein F, Glueck D. Developing rapport and therapeutic alliance during telemental health sessions with children and adolescents. *J. Child Adolesc. Psychopharmacol.* 26(3):204-211, 2016 [PubMed](#)
- Hilty DM, Shoemaker EZ, Myers K, et al. Need for and steps toward a clinical guideline for the telemental healthcare of children and adolescents. *J. Child Adolesc. Psychopharm.* 26(3): 283-229, 2016 [PubMed](#)
- Hilty DM, Ferrer DC, Parish MB, Johnston B, Callahan EJ, Yellowlees PM. The effectiveness of telemental health: a 2013 review. *Telemed. eHealth* 19(6):444-454, 2013. [htm](#)
- Kramer GM, Luxton DD. Telemental health for children and adolescents: an overview of legal, regulatory, and risk management issues. *J. Child Adolesc. Psychopharmacol.* 26(3):198-203, 2016 [PubMed](#)
- Myers K, Nelson EL, Rabinowitz T, et al. American Telemedicine Association practice guidelines for telemental health with children and adolescents. *Telemed. e-Health* 23(10): 779-804, 2017 [PubMed](#)
- Myers K, Nelson EL, Hilty D, Rabinowitz T. Practice guidelines for telemental health with children and adolescents. American Telemedicine Association, March 2017 [pdf](#)
- Myers K, Comer JS. The case for telemental health for improving the accessibility and quality of children's mental health services. *J. Child Adol. Psychopharm.* 26(3): 186-191, 2016 [PubMed](#)
- Myers KM, Palmer NB, Geyer JR. Research in child and adolescent telemental health. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1):155-171, 2011 [PubMed](#)
- Myers K, Cain S, Work Group on Quality Issues. Practice parameter for telepsychiatry with children and adolescents. *J. Amer. Acad. Child Adolesc. Psychiatry* 47(12):1468-1483., 2008 [pdf](#)
- Myers KM, Valentine JM, Melzer SM. Feasibility, acceptability, and sustainability of telepsychiatry for children and adolescents. *Psychiatr. Serv.* 58(11):1493-1496, 2007 [htm](#)
- Nelson EL, Cain S, Sharp S. Considerations for conducting telemental health with children and adolescents. *Child Adolesc. Psychiatr. Clinics North Amer.* 26(1): 77-91, 2017 [PubMed](#)

- Nelson EL, Sharp S. A review of pediatric telemental health. *Pediatr. Clin. North Amer.* 63(5):913-931, 2016 [PubMed](#)
- Nelson EL, Bui TN, Velasquez SE. Telepsychology: research and practice overview. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1):67-79, 2011 [PubMed](#)
- New York State Office of Mental Health. Telepsychiatry Standards Guidance. New York State, Feb. 2015 [pdf](#)
- Palomares RS, Bufka LF, Baker DC. Critical concerns when incorporating telepractice in outpatient settings and private practice. *J. Child Adolesc. Psychopharm.* 26(3):252-259, 2016 [htm](#)
- Pande RL, Morris M, Peters A, et al. Leveraging remote behavioral health interventions to improve medical outcomes and reduce costs. *Amer. J. Managed Care*, Feb. 27, 2015 [htm](#) (requires free registration)
- Slone NC, Reese RJ, McClellan MJ. Telepsychology outcome research with children and adolescents: a review of the literature. *Psychol. Serv.* 9(3):272-292, 2012 [htm](#)
- Stephan S, Lever N, Bernstein L, Edwards S, Pruitt D. Telemental health in schools. *J. Child Adolesc. Psychopharmacol.* 26(3):266-272, 2016 [htm](#)
- Traynor A, Morrissey E, Egan J, McGuire BE. The effectiveness of information and communication technology-based psychological interventions for paediatric chronic pain: protocol for a systematic review, meta-analysis and intervention content analysis. *Syst. Rev.* 5(1):175, 2016 [htm](#)
- Van Allen J, Davis AM, Lassen S. The use of telemedicine in pediatric psychology: research review and current applications. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1): 55–66, 2011. [htm](#)

[RETURN TO TOPICS](#)

--Research and demonstration studies

- American Hospital Association. Telepsychiatry program: Children's Hospital & Medical Center, Omaha, NE-- Case examples of AHA members in action. AHA, July 2018 [pdf](#)
- Anderson KE, Byrne CE, Crosby RD, Le Grange D. Utilizing telehealth to deliver family-based treatment for adolescent anorexia nervosa. *Int. J. Eat. Disord.* 50(10):1235-1238, 2017 [PubMed](#)
- Barretto A, Wacker DP, Harding J, Lee J, Berg WK. Using telemedicine to conduct behavioral assessments. *J. Appl. Behav. Anal.* 39(3):333-340, 2006 [htm](#)
- Boydell KM, Volpe T, Pignatiello A. A qualitative study of young people's perspectives on receiving psychiatric services via televideo. *J. Can. Acad. Child Adolesc. Psychiatry* 19(1): 5–11, 2010 [htm](#)
- Bunnell BE, Davidson TM, Dewey D, Price M, Ruggiero KJ. Rural and urban/suburban families' use of a web-based mental health intervention. *Telemed. eHealth* 23(5):390-396, 2017 [htm](#)
- Burket RC, Merkel RL Jr. Videoconferencing enhances access to psychiatric care for children and adults with mental illness in rural settings. AHRQ Service Delivery Innovation Profile, Agency for Healthcare Research and Quality, 2013 [htm](#)
- Center for School Mental Health. Telemental Health Issue Brief. Dept. of Psychiatry, University of Maryland, Baltimore, 2010 [pdf](#)
- Chalmers JA, Sansom-Daly UM, Patterson P, McCowage G, Anazodo A. Psychosocial assessment using telehealth in adolescents and young adults with cancer: a partially randomized patient preference pilot study. *JMIR Res Protoc.* 7(8):e168, 2018 [htm](#)
- Comer JS, Furr JM, Cooper-Vince C, et al. Rationale and considerations for the internet-based delivery of parent-child interaction therapy. *Cogn. Behav. Pract.* 22(3):302-316, 2015 [htm](#)
- Cooper-Vince CE, Chou T, Furr JM, et al. Videoteleconferencing early child anxiety treatment: a case study of the internet-delivered PCIT CALM (I-CALM) program. *Evid. Based Pract. Child Adolesc. Ment. Health* 1(1): 24–39, 2016 [htm](#)
- Cunningham DL, Connors EH, Lever N, Stephan SH. Providers' perspectives: utilizing telepsychiatry in schools. *Telemed. e Health* 19(10):794-799, 2013 [htm](#)
- Duncan AB, Velasquez SE, Nelson EL. Using videoconferencing to provide psychological services to rural children and adolescents: a review and case example. *J. Clin. Child Adolesc. Psychol.* 43(1):115-127, 2014 [PubMed](#)
- Fisher E, Law E, Palermo TM, Eccleston C. Psychological therapies (remotely delivered) for the management of chronic and recurrent pain in children and adolescents. *Cochrane Database Syst Rev.* 3: CD011118, 2015 [htm](#)
- Goldstein F, Glueck D. Developing rapport and therapeutic alliance during telemental health sessions with children and adolescents. *J. Child Adolesc. Psychopharmacol.* 26(3):204-211, 2016 [htm](#)
- Goldstein F, Myers K. Telemental health: a new collaboration for pediatricians and child psychiatrists. *Pediatr. Annals* 43(2):79-84, 2014 [htm](#)
- Grady BJ, Lever N, Cunningham D, Stephan S. Telepsychiatry and school mental health. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1):81-94, 2011 [pdf](#)

- Grealish A, Hunter A, Glaze R, Potter L: Telemedicine in a child and adolescent mental health service: Participants' acceptance and utilization. *J. Telemed. Telecare* 11:53–55, 2005 [htm](#)
- Keilman P. Telepsychiatry with child welfare families referred to a family service agency. *Telemed. eHealth* 11(1): 98-101, 2005 [PubMed](#)
- Lal S, Daniel W, Rivard L. Perspectives of family members on using technology in youth mental health care: a qualitative study. *JMIR Ment. Health* 4(2):e21, 2017 [htm](#)
- Lenhard F, Andersson E, Mataix-Cols D, et al. Therapist-guided, internet-delivered cognitive-behavioral therapy for adolescents with obsessive-compulsive disorder: a randomized controlled trial. *J. Amer. Acad. Child Adolesc. Psychiatry* 56(1):10-19, 2017 [htm](#)
- Marsch LA, Borodovsky JT. Technology-based interventions for preventing and treating substance use among youth. *Child Adolesc. Psychiatr. Clin. North Amer.* 25(4):755–768, 2016 [htm](#)
- Marks S, Shaikh U, Hilty DM, Cole S. Weight status of children and adolescents in a telepsychiatry clinic. *Telemed eHealth* 15(10):970-974, 2009 [htm](#)
- McCarty C, Stoep A, Violette H, Myers K. Interventions developed for psychiatric and behavioral treatment in the children's ADHD telemental health treatment study. *J. Child Fam. Stud*, 24(6): 1735-1743, 2014 [htm](#)
- McLennan JD. Video-conferencing telehealth linkage attempts to schools to facilitate mental health consultation. *J. Can. Acad. Child Adolesc. Psychiatry* 27(2): 137–141, 2018 [pdf](#)
- Myers K, Vander Stoep A, Zhou C, McCarty CA, Katon W. Effectiveness of a telehealth service delivery model for treating attention-deficit/hyperactivity disorder: a community-based randomized controlled trial. *J. Amer. Acad. Child Adolesc. Psychiatry* 54(4):263-274, 2015 [htm](#)
- Myers KM, Vander Stoep A, McCarty CA, et al. Child and adolescent telepsychiatry: variations in utilization, referral patterns and practice trends. *J. Telemed. Telecare* 16(3):128-133, 2010 [PubMed](#)
- Myers K, Cummings JR, Zima B, et al. Advances in asynchronous telehealth technologies to improve access and quality of mental health care for children and adolescents. *J. Tech. Behav. Sci.* 3(1): 87-106, 2018 [Abstract](#)
- Nelson EL, Duncan AB, Peacock G, Bui T. Telemedicine and adherence to national guidelines for ADHD evaluation: a case study. *Psychol. Serv.* 9(3):293-297, 2012 [htm](#)
- Nelson E-L. School-based telemental health services: Reaching underserved populations. *Focal Point Research, Policy, and Practice in Children's Mental Health* 21(2): 22-24, 2007 [pdf](#)
- Nelson EL, Patton S. Using videoconferencing to deliver individual therapy and pediatric psychology interventions with children and adolescents. *J. Child Adolesc. Psychopharmacol.* 26(3):212-220, 2016 [htm](#)
- Ospina-Pinillos L, Davenport T, Iorfino F, et al. Using new and innovative technologies to assess clinical stage in early intervention youth mental health services: evaluation study. *J. Med. Internet Res.* 20(9) e259, 2018 [htm](#)
- Pakyurek M, Yellowlees P, Hilty D. The child and adolescent telepsychiatry consultation: can it be a more effective clinical process for certain patients than conventional practice? *Telemed. eHealth* 16(3): 289-292, 2010 [PubMed](#)
- Palermo TM, Law EF, Fales J, Bromberg MH, Jessen-Fiddick T, Tai G. Internet-delivered cognitive-behavioral treatment for adolescents with chronic pain and their parents: a randomized controlled multicenter trial. *Pain* 157(1):174-185, 2016 [htm](#)
- Palmer NB, Myers KM, Vander Stoep A, McCarty CA, Geyer JR, Desalvo A. Attention-deficit/hyperactivity disorder and telemental health. *Curr. Psychiatry Rep.* 12(5):409-417, 2010 [htm](#)
- Pignatiello A, Boydell KM, Teshima J, Volpe T, Braunberger PG, Minden D. Transforming child and youth mental health care via innovative technological solutions. *Healthcare Quarterly* 14:92-102, 2011
- Rockhill CM, Tse YJ, Fesinmeyer MD, Garcia J, Myers K. Telepsychiatrists' medication treatment strategies in the children's attention-deficit/hyperactivity disorder telemental health treatment study. *J. Child Adolesc. Psychopharmacol.* 26(8):662-671, 2016 [htm](#)
- Savin D, Glueck DA, Chardavoyne J, Yager J, Novins DK. Bridging cultures: child psychiatry via videoconferencing. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1):125-134, 2011 [PubMed](#)
- Sibley MH, Comer JS, Gonzalez J. Delivering parent-teen therapy for ADHD through videoconferencing: a preliminary investigation. *J. Psychopathol. Behav. Assess.* 39(3): 467–485, 2017 [htm](#)
- Spaulding R, Belz N, DeLurgio S, Williams AR. Cost savings of telemedicine utilization for child psychiatry in a rural Kansas community. *Telemed. eHealth* 16(8):867-871, 2010 [PubMed](#)
- Stewart RW, Orengo-Aguayo RE, Gilmore AK, de Arellano M. Addressing barriers to care among Hispanic youth: telehealth delivery of trauma-focused cognitive behavioral therapy. *Behav Ther* 40(3):112-118, 2017 [htm](#)
- Stoll R, Pina A, Gary K, Amresh A. Usability of a smartphone application to support the prevention and early intervention of anxiety in youth. *Cogn. Behav. Pract.* 24(4):393-404, 2017 [htm](#)

- Sulzbacher S, Vallin T, Waetzig EZ. Telepsychiatry improves paediatric behavioural health care in rural communities. *J. Telemed Telecare* 12(6):285-288, 2006 [PubMed](#)
- Traynor A, Morrissey E, Egan J, McGuire BE. The effectiveness of information and communication technology-based psychological interventions for paediatric chronic pain: protocol for a systematic review, meta-analysis and intervention content analysis. *Syst. Rev.* 5(1):175, 2016 [htm](#)
- Tse YJ, McCarty CA, Stoep AV, Myers KM. Teletherapy delivery of caregiver behavior training for children with attention-deficit hyperactivity disorder. *Telemed. eHealth* 21(6):451-458, 2015 [htm](#)
- Vander Stoep A, McCarty CA, Zhou C, et al. The children's attention-deficit hyperactivity disorder telemental health treatment study: caregiver outcomes. *J. Abnorm. Child Psychol.* 45(1):27-43, 2017 [htm](#)
- Vyas S, Murren-Boezem J, Solo-Josephson P. Analysis of a pediatric telemedicine program. *Telemed. eHealth* [epub ahead of print] April 2018 [PubMed](#)
- Wade SL, Raj SP, Moscato EL, Narad ME. Clinician perspectives delivering telehealth interventions to children/families impacted by pediatric traumatic brain injury. *Rehabil. Psychol.* [epub ahead of print], February 2019 [PubMed](#)
- Wilson JAB, Schild S. Provision of mental health care services to Deaf individuals using telehealth. *Prof. Psych. Res. Pract.* 45(5): 324-331, 2014 [htm](#)
- Yang NH, Dharmar M, Hojman NM, Sadorra CK, Sundberg D, Wold GL, Parsapour K, Marcin JP. Videoconferencing to reduce stress among hospitalized children. *Pediatrics* 134(1):e169-175, 2014 [htm](#)

[RETURN TO TOPICS](#)

Pediatric primary care

- American Telemedicine Association. Operating procedures for pediatric telehealth. ATA, 2017 [pdf](#)
- American Telemedicine Association. State Medicaid best practice: School-based telehealth. ATA, 2014 [pdf](#)
- Barlow E, Aggarwal A, Johnstone J, Allen L, Kives S, Ornstein M, Spitzer RF, Caccia N. Can paediatric and adolescent gynecological care be delivered via telehealth? *Paediatr. Child Health* 17(2):e12-15, 2012 [htm](#)
- Cady RG, Erickson M, Lunos S, et al. Meeting the needs of children with medical complexity using a telehealth advanced practice registered nurse care coordination model. *Matern. Child Health J.* 19(7):1497-1506, 2015 [htm](#)
- Cady RG, Finkelstein SM. Task-technology fit of video telehealth for nurses in an outpatient clinic setting. *Telemed. eHealth* 20(7):633-639, 2014 [htm](#)
- Chan DS, Callahan CW, Hatch-Pigott VB, Lawless A, Proffitt HL, Manning NE, Schweikert M, Malone FJ. Internet-based home monitoring and education of children with asthma is comparable to ideal office-based care: results of a 1-year asthma in-home monitoring trial. *Pediatrics* 119(3):569-578, 2007 [PubMed](#)
- Chelius L, Hook JM, Rodriguez MP. Financial Analysis of Open Door Community Health Centers' Telemedicine Experience. California Healthcare Foundation, November 2010. [htm](#)
- Chen H, Chai Y, Dong L, Niu W, Zhang P. Effectiveness and appropriateness of mHealth interventions for maternal and child health: systematic review. *JMIR Mhealth Uhealth* 6(1):e7, 2018 [htm](#)
- Cifuentes C, Romero E, Godoy J. Design and implementation of a telepediatric primary-level and low-cost system to reduce unnecessary patient transfers. *Telemed. eHealth* 23(6):521-526, 2017 [htm](#)
- Cohen GM, Irby MB, Boles K, Jordan C, Skelton JA. Telemedicine and pediatric obesity treatment: review of the literature and lessons learned. *Clin. Obesity* 2(3-4): 103-111, 2012 [htm](#)
- Coker TR, Porras-Javier L, Zhang L, et al. A telehealth-enhanced referral process in pediatric primary care: a cluster randomized trial. *Pediatrics* [epub ahead of print], February 2019 [PubMed](#)
- Davis AM, James RL, Boles RE, et al. The use of TeleMedicine in the treatment of paediatric obesity: feasibility and acceptability. *Matern. Child Nutr.* 7(1):71-79, 2011 [htm](#)
- Davis AM, Sampilo M, Gallagher KS, Landrum Y, Malone B. Treating rural pediatric obesity through telemedicine: outcomes from a small randomized controlled trial *J. Pediatr. Psychol.* 38(9): 932-943, 2013 [htm](#)
- Dharmar M, Sadorra CK, Leigh P, et al. The financial impact of a pediatric telemedicine program: A children's hospital's perspective. *Telemed. eHealth* 19(7): 502-508, 2013 [pdf](#)
- Duclos C, Hook JM, Rodriguez MP. Telehealth in Community Clinics: Three Case Studies in Implementation. California Healthcare Foundation, November, 2010 [htm](#)
- Duke DC, Wagner DV, Ulrich J, Freeman KA, Harris MA. Videoconferencing for teens with diabetes: family matters. *J. Diabetes Sci. Technol.* 10(4):816-823, 2016 [htm](#)
- Edwards MA, Patel AC. Telemedicine in the state of Maine: A model for growth driven by rural needs. *Telemed. eHealth* 9(1):25-39, 2003 [pdf](#)

Fleischman A, Hourigan SE, Lyon HN, et al. Creating an integrated care model for childhood obesity: a randomized pilot study utilizing telehealth in a community primary care setting. *Clin. Obes.* 6(6):380-388, 2016 [htm](#)

Franklin BE, Crisler SC Jr, Shappley R, Armour MM, McCommon DT, Ferry RJ Jr. Real-time support of pediatric diabetes self-care by a transport team. *Diabetes Care* 37(1):81-87, 2014 [htm](#)

Freeman KA, Duke DC, Harris MA. Behavioral health care for adolescents with poorly controlled diabetes via Skype: does working alliance remain intact? *J. Diabetes Sci. Technol.* 7(3):727-735, 2013 [htm](#)

Gustafson D, Wise M, Bhattacharya A, et al. The effects of combining Web-based eHealth with telephone nurse case management for pediatric asthma control: a randomized controlled trial. *J. Med. Internet Res.* 14(4):e101, 2012 [htm](#)

Guttman-Bauman I, Kono J, Laurie Lin A, Ramsey KL, Boston BA. Use of telehealth videoconferencing in pediatric type 1 diabetes in Oregon. *Telemed. eHealth* 24(1):86-88, 2018 Harper, DC. Telemedicine for children with disabilities. *Children's Health Care* 35 (1): 11-27, 2006 [pdf](#)

Harris MA, Freeman KA, Duke DC. Seeing is believing: using Skype to improve diabetes outcomes in youth. *Diabetes Care* 38(8):1427-1434, 2015 [pdf](#)

Hook JM, Rodriguez MP. Chronicling an entry into telehealth: Open Door Community Health Centers, California Healthcare Foundation, April 2010 [htm](#)

Irby MB, Boles KA, Jordan C, Skelton JA. TeleFIT: Adapting a multidisciplinary, tertiary-care pediatric obesity clinic to rural populations. *Telemed e-Health* 18(3):247-249, 2012 [htm](#)

Kerns EK, Staggs VS, Fouquet SD, McCulloh RJ. Estimating the impact of deploying an electronic clinical decision support tool as part of a national practice improvement project. *J. Amer. Med. Inform. Assoc.* [epub ahead of print], March 2019 [PubMed](#)

Kew KM, Cates CJ. Home telemonitoring and remote feedback between clinic visits for asthma. *Cochrane Database Syst. Rev.* 8: CD011714, 2016 [pdf](#)

Kew KM, Cates CJ. Remote versus face-to-face check-ups for asthma. *Cochrane Database Syst. Rev.* 4: CD011715, 2016 [pdf](#)

Kosse RC, Bouvy ML, Belitser SV, et al. Effective engagement of adolescent asthma patients with mobile health-supporting medication adherence. *JMIR mHealth uHealth* 7(3):e12411, 2019 [htm](#)

Langkamp DL, McManus MD, Blakemore SD. Telemedicine for children with developmental disabilities: a more effective clinical process than office-based care. *Telemed. eHealth* 21(2): 110-114, 2015 [htm](#)

Looman WS, Antolick M, Cady RG, Lunos SA, Garwick AE, Finkelstein SM. Effects of a telehealth care coordination intervention on perceptions of health care by caregivers of children with medical complexity: a randomized controlled trial. *J. Pediatr. Health Care* 29(4):352-363, 2015 [htm](#)

Looman WS, Hullsiek RL, Pryor L, Mathiason MA, Finkelstein SM. Health-related quality of life outcomes of a telehealth care coordination intervention for children with medical complexity: a randomized controlled trial. *J. Pediatr. Health Care* 32(1):63-75, 2018 [PubMed](#)

Lundberg T, Biagio de Jager L, Swanepoel W, Laurent C. Diagnostic accuracy of a general practitioner with video-otoscopy collected by a health care facilitator compared to traditional otoscopy. *Int. J. Pediatr. Otorhinolaryngol.* 99:49-53, 2017 [PubMed](#)

McConnochie K, Wood N, Herendeen N, et al. Integrating telemedicine in urban pediatric primary care: provider perspectives and performance. *Telemed. eHealth* 16(3): 280–288, 2010. [htm](#)

McConnochie KM, Conners GP, Brayer AF, et al. Effectiveness of telemedicine in replacing in-person evaluation for acute childhood illness in office settings. *Telemed. e-Health* 12(3):308-316, 2006 [htm](#)

McConnochie KM, Conners GP, Brayer et al. Differences in diagnosis and treatment using telemedicine versus in-person evaluation of acute illness. *Ambul. Ped.* 6(4):187-197, 2006 [htm](#)

McConnochie KM, Tan J, Wood NE, Herendeen NE, Kitzman HJ, Roy J, Roghmann KJ. Acute illness utilization patterns before and after telemedicine in childcare for inner-city children: a cohort study. *Telemed. e-Health* 13(4):381-390, 2007 [htm](#)

McConnochie KM, Wood NE, Alarie C, Ronis S. Care offered by an information-rich pediatric acute illness connected care model. *Telemed. eHealth* 22(6):465-472, 2016 [htm](#)

McConnochie KM, Wood NE, Herendeen NE, Ng PK, Noyes K, Wang H, Roghmann KJ. Acute illness care patterns change with use of telemedicine. *Pediatrics* 123(6):e989-995, 2009 [htm](#)

McConnochie KM, Wood NE, Kitzman HJ, Herendeen NE, Roy J, Roghmann KJ. Telemedicine reduces absence resulting from illness in urban child care: evaluation of an innovation. *Pediatrics* 115(5):1273-1282, 2005 [htm](#)

McConnochie KM. Potential of telemedicine in pediatric primary care. *Ped. Rev.* 27(9):e58-65, 2006 [htm](#)

McConnochie KM. Remote visits by pediatricians for sick children at inner-city and other child care centers/schools reduce absences and emergency department use—University of Rochester Medical Center. AHRQ Innovations Exchange Service Delivery Innovation Profile, 2014 [htm](#)

McIntosh S, Cirillo D, Wood N, Dozier AM, Alarie C, McConnochie KM. Patient evaluation of an acute care pediatric telemedicine service in urban neighborhoods. *Telemed. eHealth* 20(12):1121-1126, 2014 [htm](#)

McLean S, Chandler D, et al. Telehealthcare for asthma: a Cochrane review. *Can. Med. Assoc. J.* 183(11): E733–E742, 2011 [htm](#)

Mosnaim G, Li H, Martin M, et al. A tailored mobile health intervention to improve adherence and asthma control in minority adolescents. *J. Allergy Clin. Immunol. Pract.* 3(2):288-290, 2015 [htm](#)

Olson CA, McSwain SD, Curfman AL, Chuo J. The current pediatric telehealth landscape. *Pediatrics* [epub ahead of print] Feb. 2018 [PubMed](#)

Portnoy JM, Waller M, De Lurgio S, Dinakar C. Telemedicine is as effective as in-person visits for patients with asthma. *Ann Allergy Asthma Immunol.* 117(3):241-245, 2016 [PubMed](#)

Ramanathan A, Zhou L, Marzbanrad F, et al. Digital stethoscopes in paediatric medicine. *Acta Paediatr.* [epub ahead of print] December, 2018 [PubMed](#)

Redd TK, Campbell JP, Brown JM, et al. Evaluation of a deep learning image assessment system for detecting severe retinopathy of prematurity. *Brit. J. Ophthalmol.* [epub ahead of print] November, 2018 [PubMed](#)

Ronis SD, McConnochie KM, Wang H, Wood NE. Urban telemedicine enables equity in access to acute illness care. *Telemed. eHealth* [epub ahead of print], July 2016 [PubMed](#)

Russo L, Campagna I, Ferretti B, et al. What drives attitude towards telemedicine among families of pediatric patients? A survey. *BMC Pediatr.* 17(1):21, 2017 [htm](#)

Shaikh U, Cole SL, Marcin JP, Nesbitt TS. Clinical management and patient outcomes among children and adolescents receiving telemedicine consultations for obesity. *Telemed. eHealth* 14(5):434-440, 2008 [htm](#)

Siew L, Hsiao A, McCarthy P, Agarwal A, Lee E, Chen L. Reliability of telemedicine in the assessment of seriously ill children. *Pediatrics* 137(3):e20150712, 2016 [htm](#)

Smith AC, Scuffham P, Wootton R. The costs and potential savings of a novel telepaediatric service in Queensland. *BMC Health Serv. Res.* 7(1):35-42, 2007 [htm](#)

Smith CE, Spaulding R, Piamjariyakul U, et al. mHealth clinic appointment PC tablet: Implementation, challenges and solutions. *J. Mob. Tech. Med.* 5(1):44-50, 2015 [htm](#)

Spaulding R, Doolittle G. School-based services. Chapter 12 in: J Tracy (ed), *A Guide to Getting Started in Telemedicine : Telemedicine Technical Assistance Documents*, pp 267-313. University of Missouri School of Medicine, 2004 [pdf](#)

Spooner SA, Gotlieb EM; Committee on Clinical Information Technology; Committee on Medical Liability. Telemedicine: pediatric applications. *Pediatrics* 113(6):e639-643, 2004 [pdf](#)

Stinson JN, Laloo C, Harris L, et al. iCanCope with Pain™: User-centred design of a web- and mobile-based self-management program for youth with chronic pain based on identified health care needs. *Pain Res. Manag.* 19(5):257-265, 2014 [htm](#)

Ting DSW, Wu WC, Toth C. Deep learning for retinopathy of prematurity screening. *Brit. J. Ophthalmol.* [epub ahead of print] November, 2018 [PubMed](#)

--School based primary care and mental health care

Anthony A. Telemedicine in Georgia schools. *Telemed. Med. Today* 2(1), 2017 [htm](#)

Bergman DA, Sharek PJ, Ekegren K, Thyne S, Mayer M, Saunders M. The use of telemedicine access to schools to facilitate expert assessment of children with asthma. *Int. J. Telemed Appl.: Art.* 159276, 2008 [htm](#)

Bruce TD. School-based telehealth programs: integration and process. *Telemed. Med. Today* 1(1): 1-5, 2016 [pdf](#)

Burke B Jr, Bynum A, Hall-Barrow J, Ott R, Albright M. Rural school-based telehealth: how to make it happen. *Clin. Pediatrics* 47(9):926-929, 2008 [PubMed](#)

Center for Connected Health Policy. Schools & Telehealth Research Catalogue. CCHP, August 2018 [htm](#)

Center for School Mental Health. Telemental Health Issue Brief. Dept. of Psychiatry, University of Maryland, Baltimore, 2010 [pdf](#)

Cunningham DL, Connors EH, Lever N, Stephan SH. Providers' perspectives: utilizing telepsychiatry in schools. *Telemed. e Health* 19(10):794-799, 2013 [htm](#)

Fazel M, Hoagwood K, Stephan S, Ford T. Mental health interventions in schools 1: Mental health interventions in schools in high-income countries. *Lancet Psychiatry* 1(5):377-387, 2014 [htm](#)

Grady BJ, Lever N, Cunningham D, Stephan S. Telepsychiatry and school mental health. *Child Adolesc. Psychiatr. Clin. North Amer.* 20(1):81-94, 2011 [pdf](#)

Halterman JS, Fagnano M, Tajon RS, et al. Effect of the school-based telemedicine enhanced asthma management (SB-TEAM) program on asthma morbidity: a randomized clinical trial. *JAMA Pediatr.* 172(3):e174938, 2018 [htm](#)

Halterman JS, Tajon R, Tremblay P, et al. Development of school-based asthma management programs in Rochester, New York. *Acad. Pediatr.* 17(6):595-599, 2017 [htm](#)

Kattlove J. School-based telehealth: An innovative approach to meet the health care needs of California's children. *The Children's Partnership Digital Opportunity for Youth Issue Brief 6*: Oct. 2009 [pdf](#)

Lazarus W, Lipper L. School-based telehealth: An innovative approach to meet the health care needs of California's children. *The Children's Partnership Digital Opportunity for Youth Issue Brief 6*: Oct. 2009 [htm](#)

McCarty C, Stoep A, Violette H, Myers K. Interventions developed for psychiatric and behavioral treatment in the children's ADHD telemental health treatment study. *J. Child Fam. Stud.* 24(6): 1735-1743, 2014 [htm](#)

McConnochie KM, Ronis SD, Wood NE, Ng PK. Effectiveness and safety of acute care telemedicine for children with regular and special healthcare needs. *Telemed. eHealth* 21(8):611-621, 2015 [htm](#)

McConnochie KM, Wood NE, Herendeen NE, ten Hoopen CB, Roghmann KJ. Telemedicine in urban and suburban childcare and elementary schools lightens family burdens. *Telemed. .J eHealth* 16(5):533-542, 2010 [htm](#)

McLennan JD. Video-conferencing telehealth linkage attempts to schools to facilitate mental health consultation. *J. Can. Acad. Child Adolesc. Psychiatry* 27(2): 137-141, 2018 [pdf](#)

Nelson EL, Patton S. Using videoconferencing to deliver individual therapy and pediatric psychology interventions with children and adolescents. *J. Child Adolesc. Psychopharmacol.* 26(3):212-220, 2016 [htm](#)

Nelson E-L. School-based telemental health services: Reaching underserved populations. *Focal Point Research, Policy, and Practice in Children's Mental Health* 21(2): 22-24, 2007 [pdf](#)

Perry TT, Halterman JS, Brown RH, et al. Results of an asthma education program delivered via telemedicine in rural schools. *Ann. Allergy Asthma Immunol.* 120(4):401-408, 2018 [PubMed](#)

Polycom, Inc. How one health system gets behavioral healthcare into rural schools with telemedicine. *mHealth Intelligence*, Featured Resource, September 2018 [htm](#)

Reynolds CA, Maughan ED. Telehealth in the school setting: an integrative review. *J. Sch. Nurs.* 31(1):44-53, 2015 [PubMed](#)

Roth D, Zekovic-Roth S, Yasutake M, Richardson M. Virtual School Visit: A guidebook for school staff who administer and facilitate school-based telehealth services. Mind & Body Works, Inc., 2016 [pdf](#)

Sanchez D, Reiner JF, Sadlon R, Price OA, Long MW. Systematic review of school telehealth evaluations. *J. Sch. Nurs.* 35(1):61-76, 2019 [PubMed](#)

Stephan S, Lever N, Bernstein L, Edwards S, Pruitt D. Telemental health in schools. *J. Child Adolesc. Psychopharmacol.* 26(3):266-272, 2016 [htm](#)

Tye ML, Honey M, Day K. School-based telemedicine: perceptions about a telemedicine model of care. *Stud. Health Technol. Inform.* 245:1239, 2017 [PubMed](#)

Young TL, Ireson C. Effectiveness of school-based telehealth care in urban and rural elementary schools. *Pediatrics* 112(5):1088-1094, 2003 [htm](#)

Zhao J, Zhai YK, Zhu WJ, Sun DX. Effectiveness of telemedicine for controlling asthma symptoms: a systematic review and meta-analysis. *Telemed. e-Health* 21(6):484-492, 2015 [PubMed](#)

[RETURN TO TOPICS](#)

Pediatric specialty care

American Telemedicine Association. Operating procedures for pediatric telehealth. ATA, 2017 [pdf](#)

Badawy SM, Cronin RM, Hankins J, et al. Patient-centered eHealth interventions for children, adolescents, and adults with sickle cell disease: systematic review. *J. Med. Internet Res.* 20(7):e10940, 2018 [htm](#)

Brophy PD. Overview on the challenges and benefits of using telehealth tools in a pediatric population. *Adv. Chronic Kidney Dis.* 24(1):17-21, 2017 [htm](#)

Bullock DR, Vehe RK, Zhang L, Correll CK. Telemedicine and other care models in pediatric rheumatology: an exploratory study of parents' perceptions of barriers to care and care preferences. *Pediatr. Rheumatol. Online J.* 15(1):55, 2017 [htm](#)

Callahan CW, Malone F, Estroff D, Person DA. Effectiveness of an Internet-based store-and-forward telemedicine system for pediatric subspecialty consultation. *Arch. Pediatr. Adolesc. Med.* 159(4):389-393, 2005 [htm](#)

Chalmers JA, Sansom-Daly UM, Patterson P, McCowage G, Anazodo A. Psychosocial assessment using telehealth in adolescents and young adults with cancer: a partially randomized patient preference pilot study. *JMIR Res Protoc.* 7(8):e168, 2018 [htm](#)

Coda A, Sculley D, Santos D, et al. Harnessing interactive technologies to improve health outcomes in juvenile idiopathic arthritis. *Pediatr. Rheumatol. Online J.* 15(1):40, 2017 [htm](#)

- González-Espada WJ, Hall-Barrow J, Hall RW, Burke BL, Smith CE. Achieving success connecting academic and practicing clinicians through telemedicine. *Pediatrics* 123(3):e476-483, 2009 [PubMed](#)
- Karp WB, Grigsby RK, McSwiggan-Hardin M, et al. Use of telemedicine for children with special health care needs. *Pediatrics*;105(4 Pt 1):843-847, 2000 [PubMed](#).
- Kessler EA, Sherman AK, Becker ML. Decreasing patient cost and travel time through pediatric rheumatology telemedicine visits. *Pediatr. Rheumatol. Online J.* 14(1):54, 2016 [htm](#)
- Lai L, Liddy C, Keely E, et al. The impact of electronic consultation on a Canadian tertiary care pediatric specialty referral system: A prospective single-center observational study. *PLoS One* 13(1):e0190247, 2018 [htm](#)
- Le Doare K, Mackie NE, Kaye S, Bamford A, Walters S, Foster C. Virtual support for paediatric HIV treatment decision making. *Arch. Dis. Child.* 100(6):527-531, 2015 [htm](#)
- Marcin JP, Rimsza ME, Moskowitz WB, AAP Committee on Pediatric Workforce. The use of telemedicine to address access and physician workforce shortages: American Academy of Pediatrics Policy Statement. *Pediatrics* 136(1): 202-209, 2015 [Link](#)
- Marcin JP, Ellis J, Mawis R, Nagrampa E, Nesbitt TS, Dimand RJ. Using telemedicine to provide pediatric subspecialty care to children with special health care needs in an underserved rural community. *Pediatrics* 113(1 Pt 1):1-6, 2004 [htm](#)
- Marcin JP, Shaikh U, Steinhorn RH. Addressing health disparities in rural communities using telehealth. *Nature* 76(1): 169-176, 2016 [htm](#)
- McConnochie KM, Ronis SD, Wood NE, Ng PK. Effectiveness and safety of acute care telemedicine for children with regular and special healthcare needs. *Telemed. eHealth* 21(8): 611-621, 2015 [PubMed](#)
- McKissick HD, Cady RG, Looman WS, Finkelstein SM. The impact of telehealth and care coordination on the number and type of clinical visits for children with medical complexity. *J. Pediatr. Health Care* 31(4): 452-458, 2017 [htm](#)
- Ray KN, Demirci JR, Bogen DL, Mehrotra A, Miller E. Optimizing telehealth strategies for subspecialty care: recommendations from rural pediatricians. *Telemed. e-Health* 21(8):622-629, 2015 [htm](#)
- Ray KN, Ashcraft LE, Mehrotra A, Miller E, Kahn JM. Family perspectives on telemedicine for pediatric subspecialty care. *Telemed. eHealth* [epub ahead of print], April 2017 [PubMed](#)
- Rea CJ, Wenren LM, Tran KD, et al. Shared care: using an electronic consult form to facilitate primary care provider-specialty care coordination. *Acad. Pediatr.* 18(7):797-804, 2018 [PubMed](#)
- Scotten M, Manos EL, Malicoat A, Paolo AM. Minding the gap: Interprofessional communication during inpatient and post discharge chasm care. *Patient Educ. Couns.* 98(7):895-900, 2015 [pdf](#)
- Stone JM, Gibbons TE. Telemedicine in pediatric gastroenterology: an overview of utility. *Telemed. eHealth* 24(8):577-581, 2018 [PubMed](#)
- Taylor L, Capling H, Portnoy JM. Administering a telemedicine program. *Curr. Allergy Asthma Rep.* 18(11):57, 2018 [PubMed](#)
- Trnka P, White MM, Renton WD, et al. A retrospective review of telehealth services for children referred to a paediatric nephrologist. *BMC Nephrol.* 16:125, 2015 [htm](#)

[RETURN TO TOPICS](#)

--Autism diagnosis and treatment

- Antezana L, Scarpa A, Valdespino A, Albright J, Richey JA. Rural trends in diagnosis and services for Autism Spectrum Disorder. *Frontiers Psychol.* 8:590, 2017 [htm](#)
- Aresti-Bartolome N, Garcia-Zapirain B. Technologies as support tools for persons with autistic spectrum disorder: a systematic review. *Int. J. Environ. Res. Public Health* 11(8):7767-7802, 2014 [htm](#)
- Boisvert M, Lang R, Andrianopoulos M, Boscardin ML. Telepractice in the assessment and treatment of individuals with autism spectrum disorders: A systematic review. *Dev Neurorehabil.* 13(6):423-432, 2010 [htm](#)
- Boisvert M, Hall N. The use of telehealth in early autism training for parents: a scoping review. *Smart Homecare Tech. TeleHealth* 2:19–27, 2014 [htm](#)
- Boisvert M, Hall N, Andrianopoulos M, Chaclas J. The multi-faceted implementation of telepractice to service individuals with autism. *Int. J. Telerehabil.* 4(2):11-24, 2012 [htm](#)
- Canadian Agency for Drugs and Technologies in Health. Telehealth for autism spectrum disorder diagnosis in pediatric patients: diagnostic accuracy, cost-effectiveness, and guidelines. CADTH Rapid Response Reports, July 2015 [htm](#)
- Ferguson J, Craig EA, Dounavi K. Telehealth as a model for providing behaviour analytic interventions to individuals with autism spectrum disorder: a systematic review. *J. Autism Dev. Disord.* [epub ahead of print], August 2018 [PubMed](#)

Gibbs V, Toth-Cohen S. Family-centered occupational therapy and telerehabilitation for children with autism spectrum disorders. *Occup. Ther. Health Care* 25(4):298-314, 2011 [htm](#)

Hepburn SL, Blakeley-Smith A, Wolff B, Reaven JA. Telehealth delivery of cognitive-behavioral intervention to youth with autism spectrum disorder and anxiety: A pilot study. *Autism* 20(2):207-218, 2016 [htm](#)

Iacono T, Dissanayake C, Trembath D. Family and practitioner perspectives on telehealth for services to young children with autism. *Stud. Health Technol. Inform.* 231:63-73, 2016 [PubMed](#)

Ingersoll B, Berger NI. Parent engagement with a telehealth-based parent-mediated intervention program for children with autism spectrum disorders: Predictors of program use and parent outcomes. *J. Med. Internet Res.* 17(10):e227, 2015 [htm](#)

Ingersoll B, Shannon K, Berger N, Pickard K, Holtz B. Self-directed telehealth parent-mediated intervention for children with autism spectrum disorder: examination of the potential reach and utilization in community settings. *J. Med. Internet Res.* 19(7):e248, 2017 [htm](#)

Kim JW, Nguyen T-Q, Yee-Marie S, Gipson T, Shin AL, Torous J. Smartphone apps for Autism Spectrum Disorder—understanding the evidence. *J. Tech. Behav. Sci.* 3(1): 1-4, 2018 [Abstract](#)

Lindgren S, Wacker D, Suess A, et al. Telehealth and autism: treating challenging behavior at lower cost. *Pediatrics* 137(Suppl 2):S167-175, 2016 [htm](#)

Little LM, Pope E, Wallisch A, Dunn W. Occupation-based coaching by means of telehealth for families of young children with autism spectrum disorder. *Amer. J. Occup. Ther.* 72(2):7202205020p1-7202205020p7, 2018 [PubMed](#)

Mazurek MO, Brown R, Curran A, Sohl K. ECHO Autism: A new model for training primary care providers in best-practice care for children with autism. *Clin. Pediatrics* [epub ahead of print], May 2016 [htm](#)

Parsons D, Cordier R, Vaz S, Lee HC. Parent-mediated intervention training delivered remotely for children with autism spectrum disorder living outside of urban areas: systematic review. *J. Med. Internet Res.* 19(8):e198, 2017 [htm](#)

Reese RM, Jamison R, Wendland M, Fleming K, Braun MJ, Schuttler JO, Turek J. Evaluating interactive videoconferencing for assessing symptoms of autism. *Telemed. eHealth* 19(9):671-677, 2013 [pdf](#)

Reese RM, Jamison TR, Braun M, et al. Brief report: use of interactive television in identifying autism in young children: methodology and preliminary data. *J. Autism Dev. Disord.* 45(5):1474-1482, 2015 [htm](#)

Ruble LA, McGrew JH, Toland MD, Dalrymple NJ, Jung LA. A randomized controlled trial of COMPASS web-based and face-to-face teacher coaching in autism. *J. Consult. Clin. Psychol.* 81(3):566-572, 2013 [htm](#)

Schutte JL. Usability and reliability of remote Autism Diagnostic Observation Schedule (ADOS) Module 4 administration. Doctoral Dissertation, University of Pittsburgh School of Health and Rehabilitation Sciences, 2012 [pdf](#)

Simacek J, Dimian AF, McComas JJ. Communication intervention for young children with severe neurodevelopmental disabilities via telehealth. *J. Autism Dev. Disord.* 47(3):744-767, 2017 [htm](#)

Smith CJ, Rozga A, Matthews N, et al. Investigating the accuracy of a novel telehealth diagnostic approach for autism spectrum disorder. *Psychol. Assess.* 29(3):245-252, 2017 [htm](#)

Vismara LA, Young GS, Rogers SJ. Telehealth for expanding the reach of early autism training to parents. *Autism Res. Treat* 2012:121878, 2012 [htm](#)

Wacker DP, Lee JF, Padilla Dalmau YC, et al. Conducting functional communication training via telehealth to reduce the problem behavior of young children with autism. *J. Dev. Physiol. Disabil.* 25(1):35-48, 2013 [htm](#)

--Cardiology

Adriaanse BM, Tromp CH, Simpson JM, et al. Interobserver agreement in detailed prenatal diagnosis of congenital heart disease by telemedicine using four-dimensional ultrasound with spatiotemporal image correlation. *Ultrasound Obstet. Gynecol.* 39(2):203-209, 2012 [htm](#)

Belmont JM, Mattioli LF. Accuracy of analog telephonic stethoscopy for pediatric telecardiology. *Pediatrics* 112(4):780-786, 2003 [htm](#)

Haley JE, Klewer SE, Barber BJ, Meaney FJ, Donnerstein RL, Weinstein RS, Krupinski E, Warda G, Lopez AM, Lax D. Remote diagnosis of congenital heart disease in southern Arizona: comparison between tele-echocardiography and videotapes. *Telemed. eHealth* 18(10):736-742, 2012 [PubMed](#)

Hishitani T, Fujimoto Y, Saito Y, et al. Accuracy of telediagnosis of fetal heart disease using ultrasound images transmitted via the internet. *Pediatr. Int.* 56(2):289-291, 2014 [PubMed](#)

Hishitani T, Fujimoto Y, Saito Y. A medical link between local maternity hospitals and a tertiary center using telediagnosis with fetal cardiac ultrasound image transmission. *Pediatr. Cardiol.* 35(4):652-657, 2014 [PubMed](#)

Krishnan A, Fuska M, Dixon R, Sable CA. The evolution of pediatric tele-echocardiography: 15-year experience of over 10,000 transmissions. *Telemed. eHealth* 20(8):681-686, 2014 [htm](#)

- Lopez-Magallon AJ, Otero AV, Welchering N, et al. Patient outcomes of an international telepediatric cardiac critical care program. *Telemed. eHealth* 21(8):601-610, 2015 [htm](#)
- McCrossan, B, Casey F. Telemedicine in the diagnosis and management of congenital heart disease. Chapt. 14 in: *Telemedicine Techniques and Applications*, G. Grasczew, S. Rakowsky, (eds.), Intech, 2011 [htm](#)
- McCrossan BA, Sands AJ, Kileen T, et al. A fetal telecardiology service: patient preference and socio-economic factors. *Prenat. Diagnosis* 32(9):883-887, 2012 [htm](#)
- McCrossan BA, Sands AJ, Kileen T, Cardwell CR, Casey FA. Fetal diagnosis of congenital heart disease by telemedicine. *Arch. Dis. Child Fetal Neonatal Educ.* 96(6):F394-397, 2011 [htm](#)
- Mistry H, Gardiner HM. The cost-effectiveness of prenatal detection for congenital heart disease using telemedicine screening. *J. Telemed. Telecare* 19(4):190-196, 2013 [htm](#)
- Morgan GJ, Craig B, Grant B, Sands A, Doherty N, Casey F. Home videoconferencing for patients with severe congenital heart disease following discharge. *Congenit. Heart Dis.* 3(5):317-324, 2008 [PubMed](#)
- Munoz RA, Burbano NH, Mota MV, Santiago G, Kleemann M, Casilli J. Telemedicine in pediatric cardiac critical care. *Telemed. eHealth* 18(2):132-136, 2012 [PubMed](#)
- Oliveira AC, Mattos S, Coimbra M. Development and assessment of an e-learning course on pediatric cardiology basics. *JMIR Med. Educ.* 3(1):e10, 2017 [htm](#)
- Sable CA, Cummings SD, Pearson GD, Schratz LM, Cross RC, Quivers ES, Rudra H, Martin GR. Impact of telemedicine on the practice of pediatric cardiology in community hospitals. *Pediatrics* 109(1):E3, 2002 [htm](#)
- Satou GM, Rheuban K, Alverson D, et al. Telemedicine in pediatric cardiology: A scientific statement from the American Heart Association. *Circulation* [epub ahead of print], February 2017 [htm](#)
- Smith AC, Scuffham P, Wootton R. The costs and potential savings of a novel telepaediatric service in Queensland. *BMC Health Serv. Res.* 7:35, 2007 [htm](#).
- Webb CL, Waugh CL, Grigsby Jet al. Impact of telemedicine on hospital transport, length of stay, and medical outcomes in infants with suspected heart disease: a multicenter study. *J. Amer. Soc. Echocardiogr.* 26(9):1090-1098, 2013 [htm](#)
- Zartner P, Handke R, Photiadis J, Brecher AM, Schneider MB. Performance of an autonomous telemonitoring system in children and young adults with congenital heart diseases. *Pacing Clin. Electrophysiol.* 31(10):1291-1299, 2008 [PubMed](#)

[RETURN TO TOPICS](#)

--Critical care and emergency medicine

- Bell RC, Yager PH, Clark ME, et al. Telemedicine versus face-to-face evaluations by respiratory therapists of mechanically ventilated neonates and children: a pilot study. *Respir. Care* 61(2):149-154, 2016 [pdf](#)
- Dayal P, Hojman NM, Kisse J, Marcin JP. Impact of telemedicine on severity of illness and outcomes among children transferred from referring emergency departments to a children's hospital PICU. *Ped. Crit. Care Med.* 17(6):516-521, 2016 [htm](#)
- Dharmar M, Romano PS, Kuppermann N, Nesbitt TS, Cole SL, Andrada ER, Vance C, Harvey DJ, Marcin JP. Impact of critical care telemedicine consultations on children in rural emergency departments. *Crit. Care Med.* 41(10):2388-2395, 2013 [PubMed](#)
- Donohue LT, Hoffman KR, Marcin JP. Use of telemedicine to improve neonatal resuscitation. *Children* 6(4): pii: E50, 2019 [htm](#)
- Epstein EG, Arechiga J, Dancy M, Simon J, Wilson D, Alhusen JL. Integrative review of technology to support communication with parents of infants in the NICU. *J. Obstet. Gynecol. Neonatal Nurs.* 46(3):357-366, 2017 [htm](#)
- Fang JL, Collura CA, Johnson RV, et al. Emergency video telemedicine consultation for newborn resuscitations: The Mayo Clinic experience. *Mayo Clin. Proc.* 91(12):1735-1743, 2016 [htm](#)
- Garingo A, Friedlich P, Chavez T, Tesoriero L, Patil S, Jackson P, Seri I. "Tele-rounding" with a remotely controlled mobile robot in the neonatal intensive care unit. *J. Telemed. Telecare* 22(2):132-138, 2016 [htm](#)
- Harvey JB, Yeager BE, Cramer C, Wheeler D, McSwain SD. The impact of telemedicine on pediatric critical care triage. *Pediatr. Crit. Care Med.* 18(11):e555-e560, 2017 [PubMed](#)
- Heath B, Salerno R, Hopkins A, Hertzog J, Caputo M. Pediatric critical care telemedicine in rural underserved emergency departments. *Pediatr. Crit. Care Med.* 10(5):588-591, 2009 [PubMed](#)
- Isetta V, Lopez-Agustina C, Lopez-Bernal E, et al. Cost-effectiveness of a new internet-based monitoring tool for neonatal post-discharge home care. *J. Med. Internet Res.* 15(2): e38, 2013 [htm](#)
- Labarbera JM, Ellenby MS, Bouressa P, Burrell J, Flori HR, Marcin JP. The impact of telemedicine intensivist support and a pediatric hospitalist program on a community hospital. *Telemed. eHealth* 19(10):760-766, 2013 [PubMed](#)

- Lion KC, Brown JC, Ebel BE, et al. Effect of telephone vs video interpretation on parent comprehension, communication, and utilization in the pediatric emergency department: a randomized clinical trial. *JAMA Pediatr.* 169(12):1117-1125, 2015 [htm](#)
- Lopez-Magallon AJ, Otero AV, Welchering N, et al. Patient outcomes of an international telepediatric cardiac critical care program. *Telemed. eHealth* 21(8):601-610, 2015 [htm](#)
- Marcin JP. Pediatric critical care physicians provide remote consultations to emergency departments in underserved rural areas, leading to better diagnosis and treatment. Health Care Delivery Innovation Profile, AHRQ Health Care Innovations Exchange, 2013 [htm](#)
- Marcin JP. Telemedicine in the pediatric intensive care unit. *Pediatr. Clin. North Amer.* 60(3):581-592, 2013 [PubMed](#)
- Marconi GP, Chang T, Pham PK, Grajower DN, Nager AL. Traditional nurse triage vs physician telepresence in a pediatric ED. *Amer. J. Emerg. Med.* 32(4):325-329, 2014 [htm](#)
- McSwain SD, Marcin JP. Telemedicine for the care of children in the hospital setting. *Pediatr. Ann.* 43(2):e44-49, 2014 [PubMed](#)
- Nesbitt TS, Dharmar M, Katz-Bell J, Hartvigsen G, Marcin JP. Telehealth at UC Davis--a 20-year experience. *Telemed. eHealth* 19(5):357-362, 2013 [PubMed](#)
- Parsapour K, Kon AA, et al. Connecting hospitalized patients with their families: case series and commentary. *Int. J. Telemed. Appl.*:804254. 2011 [htm](#)
- Robinson C, Gund A, Sjöqvist BA, Bry K. Using telemedicine in the care of newborn infants after discharge from a neonatal intensive care unit reduced the need of hospital visits. *Acta Paediatr.* 105(8):902-909, 2016 [htm](#)
- Saidinejad M, Paul A, Gausche-Hill M, et al. Consensus statement on urgent care centers and retail clinics in acute care of children. *Pediatr. Emerg. Care* [epub ahead of print] November, 2018 [PubMed](#)
- Sasangohar F, Davis E, Kash BA, Shah SR. Remote patient monitoring and telemedicine in neonatal and pediatric settings: scoping literature review. *J. Med. Internet Res.* 20(12): e295, 2018 [htm](#)
- Stelson EA, Carr BG, Golden KE, et al. Perceptions of family participation in intensive care unit rounds and telemedicine: A qualitative assessment. *Amer. J. Crit. Care* 25(5):440-447, 2016. [htm](#)
- Tan K, Lai NM. Telemedicine for the support of parents of high-risk newborn infants. *Cochrane Database Syst. Rev.* (6):CD006818, 2012 [PubMed](#)
- Wenger TL, Gerdes J, Taub K, Swarr DT, Deardorff MA, Abend NS. Telemedicine for genetic and neurologic evaluation in the neonatal intensive care unit. *J. Perinatol.* 34(3):234-240, 2014 [htm](#)
- Wheeler DS, Ruschman JG. One more chasm to cross for telemedicine in the ICU? *Pediatr. Crit. Care Med.* 19(12):1180-1181, 2018 [PubMed](#)
- Willard A, Brown E, Masten M, et al. Complex surgical infants benefit from postdischarge telemedicine visits. *Adv. Neonatal Care* 18(1):22-30, 2018 [PubMed](#)
- Yager PH. Pediatric rapid response systems beyond tertiary facilities: is there a role for telemedicine? *Pediatr. Crit. Care Med.* 20(2):198-199, 2019 [PubMed](#)
- Yang NH, Dharmar M, Yoo BK, Leigh JP. Economic evaluation of pediatric telemedicine consultations to rural emergency departments. *Med. Decision Making* 35: 773-783, 2015 [htm](#)
- Zennaro F, Neri E, Nappi F, et al. Real-time tele-mentored low cost "point-of-care us" in the hands of paediatricians in the emergency department: diagnostic accuracy compared to expert radiologists. *PLoS One* 11(10):e0164539, 2016 [htm](#)

[RETURN TO TOPICS](#)

--Dermatology

- Fieleke DR, Edison K, Dyer JA. Pediatric teledermatology--a survey of current use. *Pediatr. Dermatol.* 25(2):158-162, 2008 [PubMed](#)
- Fiks AG, Fleisher L, Berrigan L, et al. Usability, acceptability, and impact of a pediatric teledermatology mobile health application. *Telemed. eHealth* 24(3):236-245, 2018 [PubMed](#)
- Martinez R, Rogers AD, Numanoglu A, Rode H. The value of WhatsApp communication in paediatric burn care. *Burns* 44(4):947-955, January 2018 [PubMed](#)
- O'Connor DM, Jew OS, Perman MJ, et al. Diagnostic accuracy of pediatric teledermatology using parent-submitted photographs: a randomized clinical trial. *JAMA Dermatol.* 153(12):1243-1248, 2017 [htm](#)
- Philp J, Frieden I, Cordoro K. Pediatric teledermatology consultations: relationship between provided data and diagnosis. *Pediatric Dermatology* 30(5): 561-567, 2013 [PubMed](#)

--Developmental and disability assessments

Barretto A, Wacker DP, Harding J, Lee J, Berg WK. Using telemedicine to conduct behavioral assessments. *J. Appl. Behav. Anal.* 39(3):333-340, 2006 [htm](#)

Ciccia AH, Whitford B, Krumm M, McNeal K. Improving the access of young urban children to speech, language and hearing screening via telehealth. *J. Telemed. Telecare* 17(5):240-244, 2011 [htm](#)

Govender SM, Mars M. The use of telehealth services to facilitate audiological management for children: A scoping review and content analysis. *J. Telemed. Telecare* 23(3):392-401 2017 [PubMed](#)

Krumm M, Syms MJ. Teleaudiology. *Otolaryngol. Clin. North Amer.* 44(6):1297-1304, 2011 [PubMed](#)

Lancaster P, Krumm M, Ribera J, Klich R. Remote hearing screenings via telehealth in a rural elementary school. *Amer. J. Audiol.* 17(2):114-122, 2008 [PubMed](#)

Soares NS, Johnson AO, Patidar N. Geomapping telehealth access to developmental-behavioral pediatrics. *Telemed. eHealth* 19(8):585-590, 2013 [PubMed](#)

Soares NS, Langkamp DL. Telehealth in developmental-behavioral pediatrics. *J. Dev. Behav. Pediatr.* 33(8):656-665, 2012 [PubMed](#)

Sutherland R, Trembath D, Hodge A, Drevensek S, Lee S, Silove N, Roberts J. Telehealth language assessments using consumer grade equipment in rural and urban settings: Feasible, reliable and well tolerated. *J. Telemed. Telecare* [epub ahead of print] January 2016 [htm](#)

Taylor O. Speech and language screening for children with medical complexity: A comparison of telepractice and in-person methods. MPhil Thesis in Medicine, University of Queensland, Australia, 2018 [pdf](#)

Waite MC, Theodoros DG, Russell TG, Cahill LM. Assessing children's speech intelligibility and oral structures, and functions via an Internet-based telehealth system. *J. Telemed. Telecare* 18(4):198-203, 2012 [PubMed](#)

Whitehead E, Dorfman V, Tremper G, Kramer A, Sigler A, Gosman A. Telemedicine as a means of effective speech evaluation for patients with cleft palate. *Ann. Plast. Surg.* 68(4):415-417, 2012 [htm](#)

Yao JJ, Yao D, Givens G. A browser-server-based tele-audiology system that supports multiple hearing test modalities. *Telemed. eHealth* 21(9):697-704, 2015 [htm](#)

[RETURN TO TOPICS](#)

--Genetics

Abrams DJ, Geier MR. A comparison of patient satisfaction with telehealth and on-site consultations: a pilot study for prenatal genetic counseling. *J. Genet. Couns.* 15(3):199-205, 2006 [PubMed](#)

Hilgart JS, Hayward JA, Coles B, Iredale R. Telegenetics: a systematic review of telemedicine in genetics services. *Genet. Med.* 14:765-776, 2012 [htm](#)

Hopper B, Buckman M, Edwards M. Evaluation of satisfaction of parents with the use of videoconferencing for a pediatric genetic consultation. *Twin Res. Hum. Genet.* 14(4):343-346, 2011 [htm](#)

Kubendran S, Sivamurthy S, Schaefer GB, et al. A novel approach in pediatric telegenetic services: geneticist, pediatrician and genetic counselor team. *Genet. Med.* [epub ahead of print] May, 2017 [pdf](#)

Lea DH, Johnson JL, Ellingwood S, et al. Telegenetics in Maine: Successful clinical and educational service delivery model developed from a 3-year pilot project. *Genet. Med.* 7(1):21-27, 2005 [htm](#)

Lea DH. Expanding nurses' roles in telemedicine & genetics services. *MCN Amer. J. Matern. Child Nurs.* 31(3):185-189, 2006 [PubMed](#)

Shah NN, Fleisher LD, Andersson HH. Impediments and solutions to telegenetics practice: Telgenetics Workgroup meeting report. American College of Medical Genetics & Genomics, 2012 [pdf](#)

Smith R. New England Genetics Collaborative: Regional Center-supported telegenetics projects. Presentation at: American Telemedicine Association Annual Conference, 2011 [pdf](#)

Wenger TL, Gerdes J, Taub K, Swarr DT, Deardorff MA, Abend NS. Telemedicine for genetic and neurologic evaluation in the neonatal intensive care unit. *J. Perinatol.* 34(3):234-240, 2014 [htm](#)

--Neurology

Joshi C. Telemedicine in pediatric neurology. *Pediatr. Neurol.* 51(2):189-191, 2014 [PubMed](#)

Wenger TL, Gerdes J, Taub K, Swarr DT, Deardorff MA, Abend NS. Telemedicine for genetic and neurologic evaluation in the neonatal intensive care unit. *J. Perinatol.* 34(3):234-240, 2014 [htm](#) PA

[RETURN TO TOPICS](#)

--Ophthalmology

Bain LC, Kristensen-Cabrera AI, Lee HC. A qualitative analysis of challenges and successes in retinopathy of prematurity screening. *AJP Rep.* 8(2):e128-e133, 2018 [htm](#)

Biten H, Redd TK, Moleta C, Campbell JP, et al. Diagnostic accuracy of ophthalmoscopy vs telemedicine in examinations for retinopathy of prematurity. *JAMA Ophthalmol.* 136(5):498-504, 2018 [PubMed](#)

Campbell JP, Ryan MC, Lore E, et al. Diagnostic discrepancies in retinopathy of prematurity classification. *Ophthalmology* 123(8):1795-1801, 2016 [htm](#)

Chiang MF. Retinopathy of prematurity: Imaging in retinopathy of prematurity: where are we, and where are we going? *J. AAPOS* 20(6):474-476, 2016 [htm](#)

Coyner AS, Swan R, Brown JM, et al. Deep learning for image quality assessment of fundus images in retinopathy of prematurity. *AMIA Ann. Symp. Proc.* 2018:1224-1232, 2018 [htm](#)

Daniel E, Quinn GE, Hildebrand PL, et al. Validated system for centralized grading of retinopathy of prematurity: telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. *JAMA Ophthalmol.* 133(6):675-682, 2015 [htm](#)

Daniel E, Ying GS, Siatkowski RM, et al. Intraocular hemorrhages and retinopathy of prematurity in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. *Ophthalmology* 124(3):374-381, 2017 [htm](#)

Daniel E. Ophthalmoscopy and telemedicine in retinopathy of prematurity. *JAMA Ophthalmol.* [epub ahead of print] April 2018 [PubMed](#)

Fierson WM, Capone A Jr, et al. Telemedicine for evaluation of retinopathy of prematurity. *Pediatrics* 135(1):e238-254, 2015 [htm](#)

Greven MA, Moshfeghi DM. Stanford University Network for Diagnosis of Retinopathy of Prematurity (SUNDRON): telemedicine-based examination after laser photocoagulation for treatment-warranted retinopathy of prematurity. *Eye* [epub ahead of print], March 2019 [PubMed](#)

Hartnett C, O'Keefe M. Screening for retinopathy of prematurity. Chapt. 18 in: *Telemedicine Techniques and Applications*, G. Graschew, S. Rakowsky, (eds.), Intech, 2011 [htm](#)

Isaac M, Isaranuwachai W, Tehrani N. Cost analysis of remote telemedicine screening for retinopathy of prematurity. *Can. J. Ophthalmol.* 53(2):162-167, 2018 [PubMed](#)

Jackson KM, Scott KE, Graff Zivin J, et al. Cost-utility analysis of telemedicine and ophthalmoscopy for retinopathy of prematurity management. *Arch. Ophthalmol.* 126(4):493-499, 2008 [htm](#)

Kemper AR, Prosser LA, Wade KC, et al. A comparison of strategies for retinopathy of prematurity detection. *Pediatrics* 137(1): e2015225, 2016 [htm](#)

Morrison D, Bothun ED, Ying GS, et al. Impact of number and quality of retinal images in a telemedicine screening program for ROP: results from the e-ROP study. *J. AAPOS* 20(6):481-485, 2016 [htm](#)

Pathipati AS, Moshfeghi DM. Telemedicine applications in pediatric retinal disease. *J. Clin. Med.* 6(4): E36, 2017 [htm](#)

Quinn GE, Ying GS, Daniel E, et al. Validity of a telemedicine system for the evaluation of acute-phase retinopathy of prematurity. *JAMA Ophthalmol.* 132(10):1178-1184, 2014 [htm](#)

Quinn GE, Ells A, Capone A Jr, et al. Analysis of discrepancy between diagnostic clinical examination findings and corresponding evaluation of digital images in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity study. *JAMA Ophthalmol.* 134(11):1263-1270, 2016 [htm](#)

Quinn GE, Ying GS, Repka MX, et al. Timely implementation of a retinopathy of prematurity telemedicine system. *J. AAPOS* 20(5):425-430, 2016 [htm](#)

Quinn GE, Ying GS, Pan W, et al. Detection of potentially severe retinopathy of prematurity by remote image grading. *JAMA Ophthalmol.* 135(9):982-986, 2017 [htm](#)

Richter GM, Sun G, Lee TC, Chan RV, Flynn JT, Starren J, Chiang MF. Speed of telemedicine vs ophthalmoscopy for retinopathy of prematurity diagnosis. *Amer. J. Ophthalmol.* 148(1):136-142.e2, 2009 [htm](#)

Thanos A, Yonekawa Y, Todorich B, Moshfeghi DM, Trese MT. Screening and treatments using telemedicine in retinopathy of prematurity. *Eye Brain* 8:147-151, 2016 [htm](#)

Trese MT, Thanos A, Yonekawa Y, Moshfeghi D. Screening and treatments using telemedicine in retinopathy of prematurity. *Eye Brain* 8:147-151, 2016 [htm](#)

Valikodath N, Cole E, Chiang MF, Campbell JP, Chan RVP. Imaging in retinopathy of prematurity. *Asia Pac. J. Ophthalmol.* 8(2):178-186, 2019 [htm](#)

Vartanian RJ, Besirli CG, Barks JD, Andrews CA, Musch DC. Trends in the screening and treatment of retinopathy of prematurity. *Pediatrics* 139(1): e20161978, 2017 [pdf](#)

Ying GS, Pan W, Quinn GE, Daniel E, Repka MX, Baumritter A. Intereye agreement of retinopathy of prematurity from image evaluation in the telemedicine approaches to evaluating of acute-phase ROP (e-ROP) study. *Ophthalmol. Retina* 1(4):347-354, 2017 [htm](#)

Ying GS, VanderVeen D, Daniel E, et al. Risk score for predicting treatment-requiring retinopathy of prematurity (ROP) in the Telemedicine Approaches to Evaluating Acute-Phase ROP Study. *Ophthalmology* 123(10):2176-2182, 2016 [htm](#)

--Otolaryngology

- Clawson B, Selden M, Lacks M, Deaton AV, Hall B, Bach R. Complex pediatric feeding disorders: using teleconferencing technology to improve access to a treatment program. *Pediatr. Nurs.* 34(3):213-216, 2008 [PubMed](#)
- Hofstetter PJ, Kokesh J, Ferguson AS, Hood LJ. The impact of telehealth on wait time for ENT specialty care. *Telemed. eHealth* 16(5):551-556, 2010 [htm](#)
- Philips R, Seim N, Matrka L, et al. Cost savings associated with an outpatient otolaryngology telemedicine clinic. *Laryngoscope Investig. Otolaryngol.* 4(2):234-240, 2019 [htm](#)
- Smith AC, Dowthwaite S, Agnew J, Wootton R. Concordance between real-time telemedicine assessments and face-to-face consultations in paediatric otolaryngology. *Med J. Australia.* 188(8):457-460, 2008 [htm](#)
- Xu CQ, Smith AC, Scuffham PA, Wootton R. A cost minimisation analysis of a telepaediatric otolaryngology service. *BMC Health Serv. Res.* 8(1):30, 2008 [htm](#)

[RETURN TO TOPICS](#)

--Palliative care

- Bradford N, Armfield NR, Young J, Smith AC. The case for home based telehealth in pediatric palliative care: a systematic review. *BMC Palliat Care* 12: 4, 2013 [htm](#)
- Stinson JN, Lalloo C, Harris L, et al. iCanCope with Pain™: User-centred design of a web- and mobile-based self-management program for youth with chronic pain based on identified health care needs. *Pain Res. Manag.* 19(5):257-265, 2014 [htm](#)

--Rehabilitation and special needs care

- Behl DD, Kahn G. Provider perspectives on telepractice for serving families of children who are deaf or hard of hearing. *Int. J. Telerehabil.* 7(1):1-12, 2015 [htm](#)
- Boisvert M, Hall N, Andrianopoulos M, Chaclas J. The multi-faceted implementation of telepractice to service individuals with autism. *Int. J. Telerehabil.* 4(2):11-24, 2012 [htm](#)
- Boisvert M, Lang R, Andrianopoulos M, Boscardin ML. Telepractice in the assessment and treatment of individuals with autism spectrum disorders: A systematic review. *Dev Neurorehabil.* 13(6):423-432, 2010 [htm](#)
- Brown J. The state of telepractice. *The ASHA Leader (American Speech-Language-Hearing Association)*, 19 (2): 54-57, 2014 [htm](#)
- Canadian Agency for Drugs and Technologies in Health. Telehealth for speech and language pathology: a review of clinical effectiveness, cost-effectiveness, and guidelines. CADTH Rapid Response Reports, April, 2015 [htm](#)
- Cason J. Telerehabilitation: An adjunct service delivery model for early intervention services. *Int. J. Telerehabilitation* 3(1): 1-20, 2011 [pdf](#)
- Ciccio AH, Whitford B, Krumm M, McNeal K. Improving the access of young urban children to speech, language and hearing screening via telehealth. *J. Telemed. Telecare* 17(5):240-244, 2011 [htm](#)
- Clawson B, Selden M, Lacks M, Deaton AV, Hall B, Bach R. Complex pediatric feeding disorders: using teleconferencing technology to improve access to a treatment program. *Pediatr. Nurs.* 34(3):213-216, 2008 [PubMed](#)
- Cole B, Stredler-Brown A, Cohill B, et al. The development of statewide policies and procedures to implement telehealth for Part C service delivery. *Int. J. Telerehabil.* 8(2):77-82, 2016 [htm](#)
- Criss MJ. School-based telerehabilitation in occupational therapy: using telerehabilitation technologies to promote improvements in student performance. *Int. J. Telerehabil.* 5(1):39-46, 2013 [htm](#)
- Ekberg S, Danby S, Theobald M, Fisher B, Wyeth P. Using physical objects with young children in 'face-to-face' and telehealth speech and language therapy. *Disabil. Rehabil.* 23:1-12, 2018 [PubMed](#)
- Fairweather GC, Lincoln MA, Ramsden R. Speech–language pathology telehealth in rural and remote schools: the experience of school executive and therapy assistants. *Rural Remote Health* 17: 4225, 2017 [htm](#)
- Ferdinands B, Bridgman K. An investigation into the relationship between parent satisfaction and child fluency in the Lidcombe Program: Clinic versus telehealth delivery. *Int. J. Speech Lang. Pathol.* [epub ahead of print], April 2018 [PubMed](#)
- Gibbs V, Toth-Cohen S. Family-centered occupational therapy and telerehabilitation for children with autism spectrum disorders. *Occup. Ther. Health Care* 25(4):298-314, 2011 [htm](#)
- Golomb MR, McDonald BC, Warden SJ, et al. In-home virtual reality videogame telerehabilitation in adolescents with hemiplegic cerebral palsy. *Arch. Phys. Med. Rehabil.* 91(1):1-8, 2010 [PubMed](#)

- Grogan-Johnson S, Alvares R, Rowan L, Creaghead N. A pilot study comparing the effectiveness of speech language therapy provided by telemedicine with conventional on-site therapy. *J. Telemed. Telecare* 16(3):134-139, 2010 [PubMed](#)
- Grogan-Johnson S, Gabel RM, Taylor J, Rowan LE, Alvares R, Schenker J. A pilot exploration of speech sound disorder intervention delivered by telehealth to school-age children. *Int. J. Telerehabil.* 3(1):31-42, 2011 [htm](#)
- Hooshmand M, Foronda C. Comparison of telemedicine to traditional face-to-face care for children with special needs: a quasiexperimental study. *Telemed. eHealth* 24(6):433-441, 2018 [PubMed](#)
- Houtrow AJ, Valliere FR, Byers E (eds.). *Opportunities for Improving Programs and Services for Children with Disabilities*. Consensus Report, National Academy of Sciences, Engineering and Medicine, 2018 [htm \(requires free registration\)](#)
- Kairy D, Lehoux P, Vincent C, Visintin M. A systematic review of clinical outcomes, clinical process, healthcare utilization and costs associated with telerehabilitation. *Disabil. Rehabil.* 31(6): 427-447, 2009 [htm](#)
- Lowe R, O'Brian S, Onslow M. Review of telehealth stuttering management. *Folia Phoniatrica Logopaedica* 65(5):223-238, 2013 [htm](#)
- Malandraki GA, Roth M, Sheppard JJ. Telepractice for pediatric dysphagia: a case study. *Int. J. Telerehabil.* 6(1):3-16, 2014 [htm](#)
- Mashima PA, Doarn CR. Overview of telehealth activities in speech-language pathology. *Telemed. eHealth* 14(10):1101-1117, 2008 [htm](#)
- McCarthy M, Muñoz K, White KR. Teleintervention for infants and young children who are deaf or hard-of-hearing. *Pediatrics* 126 (Suppl 1):S52-58, 2010 [htm](#)
- Molini-Avejonas DR, Rondon-Melo S, de La Higuera Amato CA, Samelli AG. A systematic review of the use of telehealth in speech, language and hearing sciences. *J. Telemed. Telecare* 21(7):367-376, 2015 [htm](#)
- Muñoz K, Kibbe K, Preston E, et al. Paediatric hearing aid management: a demonstration project for using virtual visits to enhance parent support. *Int. J. Audiol.* 56(2): 77-84, 2017 [htm](#)
- Pearl PL, Sable C, Evans S, et al. Telemedicine consultations for neurodevelopmental disabilities. *Telemed. e-Health* 20(6): 559-562, 2014 [htm](#)
- Steuerwald W, Windmill I, Scott M, Evans T, Kramer K. Stories from the webcams: Cincinnati Children's Hospital Medical Center audiology telehealth and pediatric auditory device services. *Amer. J. Audiol.* 27(3S):391-402, 2018 [PubMed](#)
- Theodoros DG. Telerehabilitation for service delivery in speech-language pathology. *J. Telemed. Telecare* 14(5):221-224, 2008 [PubMed](#)
- Thomas R, Barker L, Rubin G, Dahlmann-Noor A. Assistive technology for children and young people with low vision. *Cochrane Database Syst. Rev.* 18(6):CD011350, 2015 [pdf](#)
- Tucker JK. Perspectives of speech-language pathologists on the use of telepractice in schools: quantitative survey results. *Int. J. Telerehabil.* 4(2):61-72, 2012 [htm](#)
- Wade SL, Raj SP, Moscato EL, Narad ME. Clinician perspectives delivering telehealth interventions to children/families impacted by pediatric traumatic brain injury. *Rehabil. Psychol.* [epub ahead of print], February 2019 [PubMed](#)
- Waite MC, Theodoros DG, Russell TG, Cahill LM. Assessing children's speech intelligibility and oral structures, and functions via an Internet-based telehealth system. *J. Telemed. Telecare* 18(4):198-203, 2012 [PubMed](#)
- Wales D, Skinner L, Hayman M. The efficacy of telehealth-delivered speech and language intervention for primary school-age children: a systematic review. *Int. J. Telerehabil.* 9(1):55-70, 2017 [htm](#)
- Witt MR, Stokes TF, Parsonson BS, Dudding CC. Effect of distance caregiver coaching on functional skills of a child with traumatic brain injury. *Brain Injury* [epub ahead of print], April 2018 [PubMed](#)

--Surgical

- Brownlee GL, Caffery LJ, McBride CA, Patel B, Smith AC. Telehealth in paediatric surgery: Accuracy of clinical decisions made by videoconference. *J. Paediatr. Child Health* 53(12):1220-1225, 2017 [PubMed](#)
- Canon S, Shera A, Patel A, et al. A pilot study of telemedicine for post-operative urological care in children. *J. Telemed. Telecare* 20(8):427-430, 2014 [pdf](#)
- DeAntonio JH, Kang HS, Cockrell HC, et al. Utilization of a handheld telemedicine device in postoperative pediatric surgical care. *J. Pediatr. Surg.* [epub ahead of print], January 2019 [PubMed](#)
- Finkelstein JB, Cahill D, Kurtz MP, et al. The use of telemedicine for the postoperative urologic care of children: results of a pilot program. *J. Urol.* [epub ahead of print], January 2019 [PubMed](#)
- Harting MT, Wheeler A, Ponsky T, et al. Telemedicine in pediatric surgery. *J. Pediatr. Surg.* [epub ahead of print], May 2018 [PubMed](#)

- Leshner AP, Shah SR. Telemedicine in the perioperative experience. *Semin. Pediatr. Surg.* 27(2):102-106, 2018 [PubMed](#)
- Nguyen KH, Smith AC, Armfield NR, Bensink M, Scuffham PA. Cost-effectiveness analysis of a mobile ear screening and surveillance service versus an outreach screening, surveillance and surgical service for indigenous children in Australia. *PLoS One* 10(9):e0138369, 2015 [htm](#)
- Raval MV, Taylor N, Piper K, et al. Pediatric patient and caregiver preferences in the development of a mobile health application for management of surgical colorectal conditions. *J. Med. Syst.* 41(7):105, 2017 [PubMed](#)
- Wade SL, Raj SP, Moscato EL, Narad ME. Clinician perspectives delivering telehealth interventions to children/families impacted by pediatric traumatic brain injury. *Rehabil. Psychol.* [epub ahead of print], February 2019 [PubMed](#)
- Willard A, Brown E, Masten M, et al. Complex surgical infants benefit from postdischarge telemedicine visits. *Adv. Neonatal Care* 18(1):22-30, 2018 [PubMed](#)
- Young K, Gupta A, Palacios R. Impact of telemedicine in pediatric postoperative care. *Telemed. e-Health* [epub ahead of print] December, 2018 [PubMed](#)

[RETURN TO TOPICS](#)

Obstetrics and prenatal care

- Arbeille P, Fornage B, Boucher A, et al. Telesonography: virtual 3D image processing of remotely acquired abdominal, vascular, and fetal sonograms. *J. Clin. Ultrasound* 42(2):67-73, 2014 [htm](#)
- Britt DW, Bronstein J, Norton JD. Absorbing and transferring risk: assessing the impact of a statewide high-risk-pregnancy telemedical program on VLBW maternal transports. *BMC Pregnancy Childbirth* 6:11, 2006 [htm](#)
- Bronstein JM, Ounpraseuth S, Jonkman J, et al. Use of specialty OB consults during high-risk pregnancies in a Medicaid-covered population: initial impact of the Arkansas ANGELS intervention. *Med. Care Res. Rev.* 69(6):699-720, 2012 [htm](#)
- Bynum AB, Irwin CA. Evaluation of the effect of consultant characteristics on telemedicine diagnosis and treatment. *Int. J. Telemed. Appl.* 2011:701089, 2011. [htm](#)
- Chan FY. Fetal tele-ultrasound and tele-therapy. *J. Telemed. Telecare* 13(4):167-171, 2007 [htm](#)
- Chen H, Chai Y, Dong L, Niu W, Zhang P. Effectiveness and appropriateness of mHealth interventions for maternal and child health: systematic review. *JMIR Mhealth Uhealth* 6(1):e7, 2018 [htm](#)
- Grossman D, Grindlay K, Buchacker T, Lane K, Blanchard K. Effectiveness and acceptability of medical abortion provided through telemedicine. *Obstet. Gynecol.* 118(2 Pt 1):296-303, 2011 [htm](#)
- Grossman DA, Grindlay K, Buchacker T, et al. Changes in service delivery patterns after introduction of telemedicine provision of medical abortion in Iowa. *Amer. J. Pub. Health* 103(1): 73-78, 2013. [htm](#)
- Gualandi F, Bigoni S, Melchiorri L, et al. Genetic counseling for women referred for advanced maternal age: a telegenetic approach. *Genet. Med.* 16(10):795, 2014 [htm](#)
- Hall RW, Hall-Barrow J, Garcia-Rill E. Neonatal regionalization through telemedicine using a community-based research and education core facility. *Ethn. Dis.* 20(1 Suppl 1):S1-136-40, 2010 [htm](#)
- Harrison TN, Sacks DA, Parry C, et al. Acceptability of virtual prenatal visits for women with gestational diabetes. *Womens Health Issues* [epub ahead of print] January 2017 [PubMed](#)
- Ivey TL, Hughes D, Dajani NK, Magann EF. Antenatal management of at-risk pregnancies from a distance. *Aust. NZ J. Obstet. Gynaecol.* 55(1):87-89, 2015 [htm](#)
- Kim EW, Teague-Ross TJ, Greenfield WW, Williams DK, Kuo D, Hall RW. Telemedicine collaboration improves perinatal regionalization and lowers statewide infant mortality. *J. Perinatol.* 33(9):725-730, 2013 [htm](#)
- Lapolla A, Chilelli NC, Dalfra MG. Telemedicine in pregnancy complicated by diabetes. Chapter 5 in: G. Grasczew, T.A. Roelofs, (eds.), *Advances in Telemedicine: Applications in Various Medical Disciplines and Geographical Regions*, Intech, 2011. [htm](#)
- Lowery C, Bronstein J, McGhee J, Ott R, Reece EA, Mays GP. ANGELS and University of Arkansas for Medical Sciences paradigm for distant obstetrical care delivery. *Amer. J. Obstet. Gynecol.* 196(6):534.e1-9, 2007 [PubMed](#)
- Lowery C, Ott RE. Statewide telehealth program enhances access to care, improves outcomes for high-risk pregnancies in rural areas. AHRQ Health Care Innovations Exchange, Health Care Delivery Innovation Profile, 2013 [htm](#)
- Magann EF, Bronstein J, McKelvey SS, Wendel P, Smith DM, Lowery CL. Evolving trends in maternal fetal medicine referrals in a rural state using telemedicine. *Arch. Gynecol. Obstet.* 286(6):1383-1392, 2012 [htm](#)

- Magann EF, McKelvey SS, Hitt WC, Smith MV, Azam GA, Lowery CL. The use of telemedicine in obstetrics: a review of the literature. *Obstet. Gynecol. Surv.* 66(3):170-178, 2011 [PubMed](#)
- Norum J, Bergmo TS, Holdø B, et al. A tele-obstetric broadband service including ultrasound, videoconferencing and cardiotocogram. A high cost and a low volume of patients. *J. Telemed. Telecare* 13(4):180-184, 2007 [htm](#)
- Odeny TA, Newman M, Bukusi EA, McClelland RS, Cohen CR, Camlin CS. Developing content for a mHealth intervention to promote postpartum retention in prevention of mother-to-child HIV transmission programs and early infant diagnosis of HIV: a qualitative study. *PLoS One* 9(9):e106383, 2014 [htm](#)
- Odibo IN, Wendel PJ, Magann EF. Telemedicine in obstetrics. *Clin. Obstet. Gynecol.* 56(3):422-433, 2013 [PubMed](#)
- Okoroh EM, Kroelinger CD, Smith AM, Goodman DA, Barfield WD. United States and territory telemedicine policies: identifying gaps in perinatal care. *Amer. J. Obstet. Gynecol.* 215(6):772, 2016 [htm](#)
- Pflugeisen BM, McCarren C, Poore S, Carlile M, Schroeder R. Virtual visits: Managing prenatal care with modern technology. *MCN Amer. J. Matern. Child Nurs.* 41(1):24-30, 2016 [htm](#)
- Pflugeisen BM, Mou J. Patient satisfaction with virtual obstetric care. *Maternal Child Health J.* [epub ahead of print], Feb. 2017 [PubMed](#)
- Rabie NZ, Canon S, Patel A, et al. Prenatal diagnosis and telemedicine consultation of fetal urologic disorders. *J. Telemed. Telecare* 22(4):234-237, 2016 [htm](#)
- Rabie N, Magann EF, Gardner L, Wendel PJ. Arkansas fetal diagnosis and management: identifying and coordinating care for anomalous fetuses. *J. Matern. Fetal Neonatal Med.* 29(1):46-50, 2016 [PubMed](#)
- Rajan S, Leonard N, Fletcher R. Ambulatory autonomic activity monitoring among at-risk adolescent mothers. *J. Mobile Technol Med.* 1(3):25-31, 2012 [htm](#)
- Shorey S, Yang YY, Dennis CL. A mobile health app-based postnatal educational program (home-but not alone): descriptive qualitative study. *J. Med. Internet Res.* 20(4):e119, 2018 [pdf](#)
- Watterson JL, Walsh J, Madeka I. Using mHealth to improve usage of antenatal care, postnatal care, and immunization: a systematic review of the literature. *Biomed. Res. Int.* 2015:153402, 2015 [htm](#)
- Wyatt SN, Rhoads SJ, Green AL. Maternal response to high-risk obstetric telemedicine consults when perinatal prognosis is poor. *Aust. NZ J. Obstet. Gynaecol.* 53(5):494-7, 2013 [htm](#)

[RETURN TO TOPICS](#)

Forensics and care of abused children

- Arnold S, Esernio-Jenssen D. Telemedicine: reducing trauma in evaluating abuse. Chapter 6 in R. Madhavan and S. Khalid (eds.): *Telemedicine*. InTech, Inc., 2013 [htm](#)
- Freudenberg N, Yellowlees PM. Telepsychiatry as part of a comprehensive care plan. *Virtual Mentor* 16(12):964-968, 2014 [htm](#)
- Foster PH, Whitworth JM. The role of nurses in telemedicine and child abuse. *Comput. Inform. Nurs.* 23 (3): 127-131, 2005 [htm](#)
- Frasier LD, Thraen I, Kaplan R, Goede P. Development of standardized clinical training cases for diagnosis of sexual abuse using a secure telehealth application. *Child Abuse Negl.* 36(2):149-155, 2012 [htm](#)
- MacLeod KJ, Marcin JP, Boyle C, Miyamoto S, Dimand RJ, Rogers KK. Using telemedicine to improve the care delivered to sexually abused children in rural, underserved hospitals. *Pediatrics* 123(1):223-228, 2009 [htm](#)
- Miyamoto S, Dharmar M, Boyle C, Yang NH, MacLeod K, Rogers K, Nesbitt T, Marcin JP. Impact of telemedicine on the quality of forensic sexual abuse examinations in rural communities. *Child Abuse Negl.* (online before print, May) 2014. [PubMed](#)
- Pammer W, Haney M, Lmhc N, Wood BM, Brooks RG, Morse K, Hicks P, Handler EG, Rogers H, Jennett P. Use of telehealth technology to extend child protection team services. *Pediatrics* 108(3):584-590, 2001 [htm](#)
- Stewart RW, Orengo-Aguayo RE, Cohen JA, Mannarino AP, de Arellano MA. A pilot study of trauma-focused cognitive-behavioral therapy delivered via telehealth technology. *Child Maltreat.* 22(4):324-333, 2017 [PubMed](#)

[RETURN TO TOPICS](#)

Dentistry

- Alabdullah JH, Daniel SJ. A systematic review on the validity of teledentistry. *Telemed. eHealth* 24(8):639-648, 2018 [PubMed](#)
- Daniel SJ, Wu L, Kumar S. Teledentistry: a systematic review of clinical outcomes, utilization and costs. *J. Dent. Hyg.* 87(6):345-352, 2013 [htm](#)
- Elliot-Smith S. Tele-dentistry: A new view on oral healthcare. *Access*, Feb.:8-15, 2007 [pdf](#)
- Estai M, Kanagasingam Y, Huang B, et al. The efficacy of remote screening for dental caries by mid-level dental providers using a mobile teledentistry model. *Community Dent. Oral Epidemiol.* 44(5):435-441, 2016
- Estai M, Kruger E, Tennant M, Bunt S, Kanagasingam Y. Challenges in the uptake of telemedicine in dentistry. *Rural Remote Health* 16(4):3915, 2016 [htm](#)
- Estai M, Kanagasingam Y, Tennant M, Bunt S. A systematic review of the research evidence for the benefits of teledentistry. *J. Telemed. Telecare* [epub ahead of print], January 2017 [htm](#)
- Estai M, Bunt S, Kanagasingam Y, Tennant M. Cost savings from a teledentistry model for school dental screening: an Australian health system perspective. *Aust. Health Rev.* [epub ahead of print] June 2017 [htm](#)
- Estai M, Bunt SM, Kanagasingam Y, Kruger E, Tennant M. A resource reallocation model for school dental screening: taking advantage of teledentistry in low-risk areas. *Int. Dent. J.* 68(4):262-268, 2018 [htm](#)
- Fricton J, Chen H. Using teledentistry to improve access to dental care for the underserved. *Dent. Clin. North Amer.* 53(3):537-548, 2009 [pdf](#)
- Glassman P, Harrington M, Namakian M. Report of the virtual dental home demonstration: Improving the oral health of vulnerable and underserved populations using geographically distributed telehealth-connected teams. Pacific Center for Special Care, University of the Pacific Arthur A. Dugoni School of Dentistry, June 14, 2016 [pdf](#)
- Glassman P, Helgeson M, Kattlove J. Using telehealth technologies to improve oral health for vulnerable and underserved populations. *J. Calif. Dent. Assoc.* 40(7):579-585, 2012 [pdf](#)
- Glassman P. What dentists should know about the virtual dental home. *California Dental Association*, Oct. 28, 2015 [htm](#)
- Inês Meurer M, Caffery LJ, Bradford NK, Smith AC. Accuracy of dental images for the diagnosis of dental caries and enamel defects in children and adolescents: A systematic review. *J. Telemed. Telecare* 21(8):449-458, 2015 [PubMed](#)
- Jampani ND, Nutalapati R, Dontula BSK, Boyapati R. Applications of teledentistry: A literature review and update. *J. Int. Soc. Prevent. Commun. Dent.* 1:37-44, 2011 [htm](#)
- Kattlove J. The virtual dental home. The Children's Partnership, Feb. 2015 [htm](#)
- Kopycka-Kedzierawski DT, Billings RJ, McConnochie KM. Dental screening of preschool children using teledentistry: a feasibility study. *Pediatric Dentistry* 29(3):209-213, 2007 [htm](#)
- Kopycka-Kedzierawski DT, Bell CH, Billings RJ. Prevalence of dental caries in Early Head Start children as diagnosed using teledentistry. *Pediatr. Dent.* 30(4):329-333, 2008 [PubMed](#)
- Kopycka-Kedzierawski DT, Billings RJ. Comparative effectiveness study to assess two examination modalities used to detect dental caries in preschool urban children. *Telemed. eHealth* 19(11):834-840, 2013 [PubMed](#)
- Kopycka-Kedzierawski DT, Billings RJ. Teledentistry in inner-city child-care centres. *J. Telemed. Telecare* 12(4):176-181, 2006 [PubMed](#)
- Langelier M, Rodat C, Moore J. Case studies of 6 teledentistry programs: strategies to increase access to general and specialty dental services: Health Workforce Policy Brief. Oral Health Workforce Research Center, State University of New York at Albany, December 2016 [htm](#)
- Manning D. Teledentistry as a method to improve oral health access in Florida. SOHIP Teledentistry Workgroup, FL, 2006 [htm](#)
- Mihailovic B, Miladinovic M, Vujicic B. Telemedicine in dentistry (teledentistry). Chapter 11 in: G. Grasczew, T.A. Roelofs, (eds.), *Advances in Telemedicine: Applications in Various Medical Disciplines and Geographical Regions*, Intech, 2011 [htm](#)
- Namakian M, Subar P, Glassman P, Quade R, Harrington M. In-person versus "virtual" dental examination: congruence between decision-making modalities. *J. Calif. Dent. Assoc.* 40(7):587-595, 2012 [htm](#)
- Reynolds CA, Maughan ED. Telehealth in the school setting: an integrative review. *J. Sch. Nurs.* 31(1):44-53, 2015 [PubMed](#)
- Simmer-Beck M, Gadbury-Amyot CC, Ferris H, et al. Extending oral health care services to underserved children through a school-based collaboration: part 1: a descriptive overview. *J. Dent. Hygiene* 85(3):181-192, 2011 [htm](#)
- Summerfelt F. Teledentistry-assisted affiliated practice dental teams. Presentation at Mid-Atlantic Telehealth Resource Center Summit, 2013 [pdf](#)

Summerfelt FF. Teledentistry-assisted, affiliated practice for dental hygienists: an innovative oral health workforce model. *J. Dent. Educ.* 75(6):733-742, 2011 [htm](#)

The Dentist Insurance Company Risk Management Staff. Dentists and the virtual dental home: What you should know. *California Dental Association J.* 43(10): 609-610, 2015 [htm](#)

University of Nebraska College of Dentistry. Bridging the Gap: A New Health Initiative. Training presentation. University of Nebraska Medical Center, 2013 [htm](#)

Van Hilsen Z, Jones RS. Comparing potential early caries assessment methods for teledentistry. *BMC Oral Health* 13: 16, 2013 [htm](#)

[RETURN TO TOPICS](#)

Home-based telehealth

--General

Cady R, Kelly A, Finkelstein S. Home telehealth for children with special health-care needs. *J. Telemed. Telecare* 14(4):173-177, 2008 [htm](#)

Sasangohar F, Davis E, Kash BA, Shah SR. Remote patient monitoring and telemedicine in neonatal and pediatric settings: scoping literature review. *J. Med. Internet Res.* 20(12): e295, 2018 [htm](#)

Shah MU, Sohal M, Valdez TA, Grindle CR. iPhone otoscopes: Currently available, but reliable for tele-otoscopy in the hands of parents? *Int. J. Pediatr. Otorhinolaryngol.* 106:59-63, 2018 [PubMed](#)

Young NL, Barden W, McKeever P, Dick PT; Tele-HomeCare Team. Taking the call-bell home: a qualitative evaluation of Tele-HomeCare for children. *Health Soc. Care Comm.* 14(3):231-241, 2006 [PubMed](#)

Young NL, Bennie J, Barden W, Dick PT; Tele-Homecare Team. An examination of quality of life of children and parents during their Tele-Homecare experience. *Telemed. eHealth* 12(6):663-671, 2006 [PubMed](#)

--Neonatology and post-hospital care

Gund A, Sjöqvist BA, Wigert H, et al. A randomized controlled study about the use of eHealth in the home health care of premature infants. *BMC Med. Inform. Decis. Making* 13:22, 2013 [htm](#)

Isetta V, Lopez-Agustina C, Lopez-Bernal E, et al. Cost-effectiveness of a new internet-based monitoring tool for neonatal post-discharge home care. *J. Med. Internet Res.* 15(2): e38, 2013 [htm](#)

Lindberg B, Axelsson K, Ohrling K. Experience with videoconferencing between a neonatal unit and the families' home from the perspective of certified paediatric nurses. *J. Telemed. Telecare* 15(6):275-280, 2009 [htm](#)

McCrossan B, Morgan G, Grant B, Sands A, Craig B, Casey F. Assisting the transition from hospital to home for children with major congenital heart disease by telemedicine: a feasibility study and initial results. *Med. Inform. Internet Med.* 32(4):297-304, 2007 [PubMed](#)

Morgan GJ, Craig B, Grant B, Sands A, Doherty N, Casey F. Home videoconferencing for patients with severe congenital heart disease following discharge. *Congenit. Heart Dis.* 3(5):317-324, 2008 [PubMed](#)

Ness TE, Annese MF, Martinez-Paz N, Unruh KT, Scott JD, Wood BR. Using an innovative telehealth model to support community providers who deliver perinatal HIV care. *AIDS Educ Prev.* 29(6):516-526, 2017 [PubMed](#)

Robinson C, Gund A, Sjöqvist BA, Bry K. Using telemedicine in the care of newborn infants after discharge from a neonatal intensive care unit reduced the need of hospital visits. *Acta Paediatr.* 105(8):902-909, 2016 [htm](#)

Finkelstein JB, Cahill D, Kurtz MP, et al. The use of telemedicine for the postoperative urologic care of children: results of a pilot program. *J. Urol.* [epub ahead of print], January 2019 [PubMed](#)

Willard A, Brown E, Masten M, et al. Complex surgical infants benefit from postdischarge telemedicine visits. *Adv. Neonatal Care* 18(1):22-30, 2018 [PubMed](#)

Young K, Gupta A, Palacios R. Impact of telemedicine in pediatric postoperative care. *Telemed. e-Health* [epub ahead of print] December, 2018 [PubMed](#)

Zartner P, Handke R, Photiadis J, Brecher AM, Schneider MB. Performance of an autonomous telemonitoring system in children and young adults with congenital heart diseases. *Pacing Clin. Electrophysiol.* 31(10):1291-1299, 2008 [PubMed](#)

--Diabetes and kidney disease

Balkhi AM, Reid AM, Westen SC, et al. Telehealth interventions to reduce management complications in type 1 diabetes: A review. *World J. Diabetes* 6(3):371-379, 2015 [htm](#)

- Bieber SD, Weiner DE. Telehealth and home dialysis: a new option for patients in the United States. *Clin. J. Amer. Soc. Nephrol.* 13(8):1288-1290, 2018 [pdf](#)
- Boogerd E, Maas-Van Schaaijk NM, Sas TC, et al. Sugarsquare, a web-based patient portal for parents of a child with type 1 diabetes: multicenter randomized controlled feasibility trial. *J. Med. Internet Res.* 19(8):e287, 2017 [htm](#)
- Choi YS, Berry-Cabán C, Nance J. Telemedicine in paediatric patients with poorly controlled type 1 diabetes. *J. Telemed. Telecare* 19(4):219-221, 2013 [PubMed](#)
- Crossen S, Glaser N, Sauers-Ford H, Chen S, Tran V, Marcin J. Home-based video visits for pediatric patients with poorly controlled type 1 diabetes. *J. Telemed. Telecare* [epub ahead of print], March 2019 [PubMed](#)
- Dey V, Jones A, Spalding EM. Telehealth: Acceptability, clinical interventions and quality of life in peritoneal dialysis. *SAGE Open Med.* 4:2050312116670188, 2016 [htm](#) UK
- Eng DS, Lee JM. The promise and peril of mobile health applications for diabetes and endocrinology. *Pediatr. Diabetes* 14(4):231-238, 2013 [htm](#)
- Lew SQ, Sikka N. Are patients prepared to use telemedicine in home peritoneal dialysis programs? *Perit. Dial. Int.* 33(6):714-715, 2013 [htm](#) DC
- Magnus M, Sikka N, Cherian T, Lew SQ. Satisfaction and improvements in peritoneal dialysis outcomes associated with telehealth. *Appl. Clin. Inform.* 8(1):214-225, 2017 [htm](#) MI?
- Raphael BP, Schumann C, Garrity-Gentile S, et al. Virtual telemedicine visits in pediatric home parenteral nutrition patients: a quality improvement initiative. *Telemed. eHealth* [epub ahead of print], May 2018 [PubMed](#)

--Pulmonary disorders

- Chan DS, Callahan CW, Hatch-Pigott VB, et al. Internet-based home monitoring and education of children with asthma is comparable to ideal office-based care: results of a 1-year asthma in-home monitoring trial. *Pediatrics* 119(3):569-578, 2007 [PubMed](#)
- Chen JJ, Cooper DM, Haddad F, Sladkey A, Nussbaum E, Radom-Aizik S. Tele-exercise as a promising tool to promote exercise in children with cystic fibrosis. *Front. Public Health* 6:269, 2018 [htm](#)
- Cox NS, Alison JA, Rasekaba T, Holland AE. Telehealth in cystic fibrosis: a systematic review. *J. Telemed. Telecare* 18(2):72-78, 2012 [PubMed](#)
- Gustafson D, Wise M, Bhattacharya A, et al. The effects of combining Web-based eHealth with telephone nurse case management for pediatric asthma control: a randomized controlled trial. *J. Med. Internet Res.* 14(4):e101, 2012 [htm](#)
- Kew KM, Cates CJ. Home telemonitoring and remote feedback between clinic visits for asthma. *Cochrane Database Syst. Rev.* 8: CD011714, 2016 [pdf](#)
- Kosse RC, Bouvy ML, Belitser SV, et al. Effective engagement of adolescent asthma patients with mobile health-supporting medication adherence. *JMIR mHealth uHealth* 7(3):e12411, 2019 [htm](#)
- Magrabi F, Lovell NH, Henry RL, Celler BG. Designing home telecare: a case study in monitoring cystic fibrosis. *Telemed. eHealth* 11(6):707-719, 2005 [PubMed](#)
- McLean S, Chandler D, et al. Telehealthcare for asthma: a Cochrane review. *Can. Med. Assoc. J.* 183(11): E733–E742, 2011 [htm](#)
- Muñoz-Bonet JI, López-Prats JL, Flor-Macián EM, et al. Usefulness of telemedicine for home ventilator-dependent children. *J. Telemed. Telecare* [epub ahead of print] December, 2018 [PubMed](#)

--Behavioral health

- Baharav E, Reiser C. Using telepractice in parent training in early autism. *Telemed. eHealth* 16(6):727-731, 2010 [PubMed](#)
- Ruble LA, McGrew JH, Toland MD, Dalrymple NJ, Jung LA. A randomized controlled trial of COMPASS web-based and face-to-face teacher coaching in autism. *J. Consult. Clin. Psychol.* 81(3):566-572, 2013 [htm](#)
- Siemer CP, Fogel J, Van Voorhees BW. Telemental health and web-based applications in children and adolescents. *Child. Adolesc. Psychiatr. Clin. North Amer.* 20(1):135-153, 2011 [htm](#)
- Vismara LA, Young GS, Rogers SJ. Telehealth for expanding the reach of early autism training to parents. *Autism Res. Treat.* 2012:121878, 2012 [htm](#)

--Telerehabilitation and speech/language therapy

- Canadian Agency for Drugs and Technologies in Health. School-based telerehabilitation: clinical effectiveness and guidelines. CADTH Rapid Response Report, Sept. 2015 [htm](#)
- Canadian Agency for Drugs and Technologies in Health. Telehealth for autism spectrum disorder diagnosis in pediatric patients: diagnostic accuracy, cost-effectiveness, and guidelines. CADTH Rapid Response Reports, July 2015 [htm](#)

Golomb MR, McDonald BC, Warden SJ, et al. In-home virtual reality videogame telerehabilitation in adolescents with hemiplegic cerebral palsy. *Arch. Phys. Med. Rehabil.* 91(1):1-8, 2010 [PubMed](#)

Grogan-Johnson S, Gabel RM, Taylor J, Rowan LE, Alvares R, Schenker J. A pilot exploration of speech sound disorder intervention delivered by telehealth to school-age children. *Int. J. Telerehabil.* 3(1):31-42, 2011 [htm](#)

Mashima PA, Doarn CR. Overview of telehealth activities in speech-language pathology. *Telemed. eHealth* 14(10):1101-1117, 2008 [htm](#)

McCarthy M, Muñoz K, White KR. Teleintervention for infants and young children who are deaf or hard-of-hearing. *Pediatrics* 126 (Suppl 1):S52-58, 2010 [htm](#)

Parmanto B, Saptono A, Murthi R, Safos C, Lathan CE. Secure telemonitoring system for delivering telerehabilitation therapy to enhance children's communication function to home. *Telemed. eHealth* 14(9):905-911, 2008 [PubMed](#)

Theodoros DG. Telerehabilitation for service delivery in speech-language pathology. *J. Telemed. Telecare* 14(5):221-224, 2008 [PubMed](#)

Waite MC, Theodoros DG, Russell TG, Cahill LM. Assessing children's speech intelligibility and oral structures, and functions via an Internet-based telehealth system. *J. Telemed. Telecare* 18(4):198-203, 2012 [PubMed](#)

--Oncology and palliative care

Bensink ME, Armfield NR, Pinkerton R, et al. Using videotelephony to support paediatric oncology-related palliative care in the home: from abandoned RCT to acceptability study. *Palliat. Med.* 23(3):228-237, 2009 [PubMed](#)

Bensink M, Armfield N, Irving H, et al. A pilot study of videotelephone-based support for newly diagnosed paediatric oncology patients and their families. *J. Telemed. Telecare* 14(6):315-321, 2008 [PubMed](#)

Bradford N, Armfield NR, Young J, Smith AC. The case for home based telehealth in pediatric palliative care: a systematic review. *BMC Palliat Care* 12: 4, 2013 [htm](#)

Bradford NK, Armfield NR, Young J, Herbert A, Mott C, Smith AC. Principles of a paediatric palliative care consultation can be achieved with home telemedicine. *J. Telemed. Telecare* 20(7):360-364, 2014 [pdf](#)

Bradford NK, Armfield NR, Young J, Smith AC. Paediatric palliative care by video consultation at home: a cost minimisation analysis. *BMC Health Serv. Res.* 14:328, 2014 [htm](#)

Jibb LA, Stevens BJ, Nathan PC, Seto E, Cafazzo JA, Stinson JN. A smartphone-based pain management app for adolescents with cancer: establishing system requirements and a pain care algorithm based on literature review, interviews, and consensus. *J. Med. Internet Res Protoc.* 3(1):e15, 2014 [htm](#)

Wesley KM, Fizur PJ. A review of mobile applications to help adolescent and young adult cancer patients. *Adolesc. Health Med. Ther.* 6:141-148, 2015 [htm](#)

[RETURN TO TOPICS](#)

Northeast Telehealth Resource Center is a partnership of Medical Care Development Public Health with the University of Vermont Medical Center. Funded by Grant G22RH30352 from the Office for the Advancement of Telehealth, Health Resources and Services Administration, DHHS.

/