

S4 Appendix. List of studies included in the systematic review

1. Sengpiel J, Fuehner T, Kugler C, Avsar M, Bodmann I, Boemke A, et al. Use of telehealth technology for home spirometry after lung transplantation: A randomized controlled trial. *Prog Transplant*.2010;20(4):310-7.
<https://doi.org/10.7182/prtr.20.4.5522u13010202761> PMID: 21265282
2. Suhling H, Rademacher J, Zinowsky I, Fuge J, Greer M, Warnecke G, et al. Conventional vs. tablet computer-based patient education following lung transplantation: A randomized controlled trial. *PLoS One*.2014;9(3):e90828.
<https://doi.org/10.1371/journal.pone.0090828> PMID: 24608864
3. DeVito Dabbs A, Song MK, Myers BA, Li R, Hawkins RP, Pilewski JM, et al. A randomized controlled trial of a mobile health intervention to promote self-management after lung transplantation. *Am J Transplant*.2016;16(7):2172-80.
<https://doi.org/10.1111/ajt.13701> PMID: 26729617
4. Reese PP, Bloom RD, Trofe-Clark J, Mussell A, Leidy D, Levsky S, et al. Automated reminders and physician notification to promote immunosuppression adherence among kidney transplant recipients: A randomized trial. *Am J Kidney Dis*.2017;69(3):400-9.
<https://doi.org/10.1053/j.ajkd.2016.10.017> PMID: 27940063
5. Han A, Min SI, Ahn S, Min SK, Hong HJ, Han N, et al. Mobile medication manager application to improve adherence with immunosuppressive therapy in renal transplant recipients: a randomized controlled trial. *PloS ONE*. 2019;14(11):e0224595.
<https://doi.org/10.1371/journal.pone.0224595> PMID: 31689320
6. Harrison JJ, Badr S, Hamandi B, Kim SJ. Randomized controlled trial of a computer-based education program in the home for solid organ transplant recipients: Impact on

medication knowledge, satisfaction, and adherence. *Transplantation*. 2017;101(6):1336-43. <https://doi.org/10.1097/tp.0000000000001279> PMID: 27367473

7. McGillicuddy JW, Gregoski MJ, Weiland AK, Rock RA, Brunner-Jackson BM, Patel SK, et al. Mobile health medication adherence and blood pressure control in renal transplant recipients: a proof-of-concept randomized controlled trial. *JMIR Res Protoc*. 2013;2(2):e32. <https://doi.org/10.2196/resprot.2633> PMID: 24004517