

Appendix 4. Included Studies

- [1] Adams, Z. W., Sieverdes, J. C., Brunner-Jackson, B., Mueller, M., Chandler, J., Diaz, V., Patel, S., Sox, L. R., Wilder, S., & Treiber, F. A. (2018). Meditation smartphone application effects on prehypertensive adults' blood pressure: Dose-response feasibility trial. *Health Psychology, 37*(9), 850–860. <https://doi.org/10.1037/hea0000584>
- [2] Ahmed, M. M., Silpasuwanchai, C., Salehzadeh Niksirat, K., & Ren, X. (2017). Understanding the Role of Human Senses in Interactive Meditation. *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*, 4960–4965. <https://doi.org/10.1145/3025453.3026000>
- [3] Albitar, T. M. (2017). *Using Mobile Device Applications to Reduce Stress And Anxiety In Individuals Receiving Outpatient Therapy* (No. 10270517). ProQuest. <https://www-proquest-com.connect.cna-qatar.edu.qa/dissertations-theses/using-mobile-device-applications-reduce-stress/docview/1889560826/se-2?accountid=12833>
- [4] Athanas, A. J., McCorrison, J. M., Smalley, S., Price, J., Grady, J., Campistron, J., & Schork, N. J. (2019). Association Between Improvement in Baseline Mood and Long-Term Use of a Mindfulness and Meditation App: Observational Study. *JMIR Mental Health, 6*(5), e12617. <https://doi.org/10.2196/12617>
- [5] Best, N. I. (2019). *Targeting military healthcare providers to self-identify and take action against compassion fatigue: Can mindfulness practice be the answer?* Carolina Digital Repository. <https://doi.org/10.17615/ars2-6y86>
- [6] Björkstrand, J., Schiller, D., Li, J., & Davidson, P. (2019, December). *The effect of mindfulness training on extinction retention* (9:19896). *Nature*. <https://doi.org/10.1038/s41598-019-56167-7>
- [7] Borjalilu, S., Mazaheri, M. A., & Talebpour, A. (2019). Effectiveness of Mindfulness-Based Stress Management in The Mental Health of Iranian University Students: A Comparison of Blended Therapy, Face-to-Face Sessions, and mHealth App (Aramgar). *Iranian Journal of Psychiatry and Behavioral Sciences, 13*(2). <https://doi.org/10.5812/ijpbs.84726>

- [8] Børøsund, E., Mirkovic, J., Clark, M. M., Ehlers, S. L., Andrykowski, M. A., Bergland, A., Westeng, M., & Solberg Nes, L. (2018). A Stress Management App Intervention for Cancer Survivors: Design, Development, and Usability Testing. *JMIR Formative Research*, 2(2), e19. <https://doi.org/10.2196/formative.9954>
- [9] Bostock, S., Crosswell, A. D., Prather, A. A., & Steptoe, A. (2019). Mindfulness on-the-go: Effects of a mindfulness meditation app on work stress and well-being. *Journal of Occupational Health Psychology*, 24(1), 127–138. <https://doi.org/10.1037/ocp0000118>
- [10] Bustillos, D. (2018). *The effects of using Pacifica on depressed patients*. ProQuest. <https://connect.cna-qatar.edu.qa/login?url=https://www-proquest-com.connect.cna-qatar.edu.qa/dissertations-theses/effects-using-pacifica-on-depressed-patients/docview/2172401714/se-2?accountid=12833>.
- [11] Callender, K. A., Trustey, C. E., Alton, L., & Hao, Y. (2019). Single Case Evaluation of a Mindfulness-Based Mobile Application with a Substance Abuse Counselor. *Counseling Outcome Research and Evaluation*, 12(1), 16–29. <https://doi.org/10.1080/21501378.2019.1686353>
- [12] Carissoli, C., Corno, G., Montanelli, S., & Villani, D. (Eds.). (2019). *Promoting Wellbeing in Pregnancy: A Multi-component Positive Psychology and Mindfulness-Based Mobile App* (Vol. 288). Springer, Cham. https://doi.org/10.1007/978-3-030-25872-6_21
- [13] Carissoli, D., Villania, D., Gasparria, D., & Rivaa, G. (2017). Enhancing psychological wellbeing of women approaching the childbirth: A controlled study with a mobile application. *ANNUAL REVIEW OF CYBERTHERAPY AND TELEMEDICINE*, 45–50. <http://hdl.handle.net/10807/119680>
- [14] Carissoli, C., Villani, D., & Riva, G. (2015). Does a Meditation Protocol Supported by a Mobile Application Help People Reduce Stress? Suggestions from a Controlled Pragmatic Trial. *Cyberpsychology, Behavior, and Social Networking*, 18(1), 46–53. <https://doi.org/10.1089/cyber.2014.0062>
- [15] Carissoli, C., Villani, D., Triberti, S., & Riva, G. (2016). User experience of BenEssere Mamma, a pregnancy app for women wellbeing. *Annual Review of*

CyberTherapy and Telemedicine, 195–198. <https://psycnet.apa.org/record/2017-07057-032>

- [16] Chittaro, L., & Vianello, A. (2014). Computer-supported mindfulness: Evaluation of a mobile thought distancing application on naive meditators. *International Journal of Human-Computer Studies*, 72(3), 337–348. <https://doi.org/10.1016/j.ijhcs.2013.11.001>
- [17] Chittaro, L., & Vianello, A. (2016a). Evaluation of a mobile mindfulness app distributed through on-line stores: A 4-week study. *International Journal of Human-Computer Studies*, 86, 63–80. <https://doi.org/10.1016/j.ijhcs.2015.09.004>
- [18] Chittaro, L., & Vianello, A. (2016b). Mobile Mindfulness and User's Worry: A Qualitative Study of Using a Smartphone App for Distancing from Negative Thoughts. *Interacting with Computers*, 28(6), 695–717. <https://doi.org/10.1093/iwc/iwv044>
- [19] Clarke, J., & Draper, S. (2020). Intermittent mindfulness practice can be beneficial, and daily practice can be harmful. An in depth, mixed methods study of the “Calm” app’s (mostly positive) effects. *Internet Interventions*, 19, 100293. <https://doi.org/10.1016/j.invent.2019.100293>
- [20] Clement, I., Lorenz, A., Ulm, B., Plidschun, A., & Huber, S. (2018). Implementing Systematically Collected User Feedback to Increase User Retention in a Mobile App for Self-Management of Low Back Pain: Retrospective Cohort Study. *JMIR MHealth and UHealth*, 6(6), e10422. <https://doi.org/10.2196/10422>
- [21] Coelho, C. C., Tobo, P. R., Lacerda, S. S., Lima, A. H., Barrichello, C. R. C., Amaro Jr, E., & Kozasa, E. H. (2019). A New Mental Health Mobile App for Well-Being and Stress Reduction in Working Women: Randomized Controlled Trial. *Journal of Medical Internet Research*, 21(11), e14269. <https://doi.org/10.2196/14269>
- [22] Cox, C. E., Hough, C. L., Jones, D. M., Ungar, A., Reagan, W., Key, M. D., Gremore, T., Olsen, M. K., Sanders, L., Greeson, J. M., & Porter, L. S. (2018). Effects of mindfulness training programmes delivered by a self-directed mobile app and by telephone compared with an education programme for survivors of critical illness: a pilot

randomised clinical trial. *Thorax*, 74(1), 33–42. <https://doi.org/10.1136/thoraxjnl-2017-211264>

- [23] Crandall, A., Cheung, A., Young, A., & Hooper, A. P. (2019). Theory-Based Predictors of Mindfulness Meditation Mobile App Usage: A Survey and Cohort Study. *JMIR MHealth and UHealth*, 7(3), e10794. <https://doi.org/10.2196/10794>
- [24] Donovan, E., Martin, S. R., Seidman, L. C., Zeltzer, L. K., Cousineau, T. M., Payne, L. A., Trant, M., Weiman, M., Knoll, M., & Federman, N. C. (2019). A Mobile-Based Mindfulness and Social Support Program for Adolescents and Young Adults With Sarcoma: Development and Pilot Testing. *JMIR MHealth and UHealth*, 7(3), e10921. <https://doi.org/10.2196/10921>
- [25] Duraimani, S. (2019). A Cross-sectional and longitudinal study of the effects of a mindfulness meditation mobile application platform on reducing stress and anxiety. *International Journal of Yoga*, 12(3), 226. https://doi.org/10.4103/ijoy.ijoy_56_18
- [26] Economides, M., Martman, J., Bell, M. J., & Sanderson, B. (2018). Improvements in Stress, Affect, and Irritability Following Brief Use of a Mindfulness-based Smartphone App: A Randomized Controlled Trial. *Mindfulness*, 9(5), 1584–1593. <https://doi.org/10.1007/s12671-018-0905-4>
- [27] Economides, M., Ranta, K., Nazander, A., Hilgert, O., Goldin, P. R., Raevuori, A., & Forman-Hoffman, V. (2019). Long-Term Outcomes of a Therapist-Supported, Smartphone-Based Intervention for Elevated Symptoms of Depression and Anxiety: Quasiexperimental, Pre-Postintervention Study. *JMIR MHealth and UHealth*, 7(8), e14284. <https://doi.org/10.2196/14284>
- [28] Fish, M. T., & Saul, A. D. (2019). The Gamification of Meditation: A Randomized-Controlled Study of a Prescribed Mobile Mindfulness Meditation Application in Reducing College Students' Depression. *Simulation & Gaming*, 50(4), 419–435. <https://doi.org/10.1177/1046878119851821>
- [29] Flett, J. A. M., Hayne, H., Riordan, B. C., Thompson, L. M., & Conner, T. S. (2018). Mobile Mindfulness Meditation: a Randomised Controlled Trial of the Effect of

Two Popular Apps on Mental Health. *Mindfulness*, 10(5), 863–876.
<https://doi.org/10.1007/s12671-018-1050-9>

- [30] Forsythe, A. M., & Venter, C. (2019). Behavioral Economics, Motivating Psycho-Education Improvements: A Mobile Technology Initiative in South Africa. *Frontiers in Psychology*, 10, 1–8. <https://doi.org/10.3389/fpsyg.2019.01560>
- [31] Garrison, K. A., Pal, P., O'Malley, S. S., Pittman, B. P., Gueorguieva, R., Rojiani, R., Scheinost, D., Dallery, J., & Brewer, J. A. (2018). Craving to Quit: A Randomized Controlled Trial of Smartphone App–Based Mindfulness Training for Smoking Cessation. *Nicotine & Tobacco Research*, 22(3), 324–331.
<https://doi.org/10.1093/ntr/nty126>
- [32] Gindidis, S., Stewart, S. E., & Roodenburg, J. (2020). Adolescent experiences of app-integrated therapy. *The Educational and Developmental Psychologist*, 37(1), 20–29.
<https://doi.org/10.1017/edp.2019.18>
- [33] Glissmann, C. (2018). *Calm College: Testing a brief mobile app meditation intervention among stressed college students*. ASU Digital Repository.
<https://core.ac.uk/download/pdf/161995368.pdf>
- [34] Goldin, P. R., Lindholm, R., Ranta, K., Hilgert, O., Helteenvuori, T., & Raevuori, A. (2019). Feasibility of a Therapist-Supported, Mobile Phone–Delivered Online Intervention for Depression: Longitudinal Observational Study. *JMIR Formative Research*, 3(1), e11509. <https://doi.org/10.2196/11509>
- [35] Gordon, J. S., Armin, J., D. Hingle, M., Giacobbi, P., Cunningham, J. K., Johnson, T., Abbate, K., Howe, C. L., & Roe, D. J. (2017). Development and evaluation of the See Me Smoke-Free multi-behavioral mHealth app for women smokers. *Translational Behavioral Medicine*, 7(2), 172–184. <https://doi.org/10.1007/s13142-017-0463-7>
- [36] Hollier, J. M., Vaughan, A. O., Liu, Y., van Tilburg, M. A., Shulman, R. J., & Thompson, D. I. (2018). Maternal and Child Acceptability of a Proposed Guided Imagery Therapy Mobile App Designed to Treat Functional Abdominal Pain Disorders in

Children: Mixed-Methods Predevelopment Formative Research. *JMIR Pediatrics and Parenting*, 1(1), e6. <https://doi.org/10.2196/pediatrics.8535>

- [37] Howells, A., Ivtzan, I., & Eiroa-Orosa, F. J. (2014). Putting the ‘app’ in Happiness: A Randomised Controlled Trial of a Smartphone-Based Mindfulness Intervention to Enhance Wellbeing. *Journal of Happiness Studies*, 17(1), 163–185. <https://doi.org/10.1007/s10902-014-9589-1>
- [38] Huberty, J., Eckert, R., Larkey, L., Joeman, L., & Mesa, R. (2019). Experiences of Using a Consumer-Based Mobile Meditation App to Improve Fatigue in Myeloproliferative Patients: Qualitative Study. *JMIR Cancer*, 5(2), e14292. <https://doi.org/10.2196/14292>
- [39] Huberty, J., Eckert, R., Larkey, L., Kurka, J., Rodríguez De Jesús, S. A., Yoo, W., & Mesa, R. (2019). Smartphone-Based Meditation for Myeloproliferative Neoplasm Patients: Feasibility Study to Inform Future Trials. *JMIR Formative Research*, 3(2), e12662. <https://doi.org/10.2196/12662>
- [40] Huberty, J., Green, J., Glissmann, C., Larkey, L., Puzia, M., & Lee, C. (2019). Efficacy of the Mindfulness Meditation Mobile App “Calm” to Reduce Stress Among College Students: Randomized Controlled Trial. *JMIR MHealth and UHealth*, 7(6), e14273. <https://doi.org/10.2196/14273>
- [41] Huberty, J., Vranceanu, A. M., Carney, C., Breus, M., Gordon, M., & Puzia, M. E. (2019). Characteristics and Usage Patterns Among 12,151 Paid Subscribers of the Calm Meditation App: Cross-Sectional Survey. *JMIR MHealth and UHealth*, 7(11), e15648. <https://doi.org/10.2196/15648>
- [42] Hunter, J. E., Jenkins, C. L., Grim, V., Leung, S., Charen, K. H., Hamilton, D. R., Allen, E. G., & Sherman, S. L. (2019). Feasibility of an app-based mindfulness intervention among women with an FMR1 premutation experiencing maternal stress. *Research in Developmental Disabilities*, 89, 76–82. <https://doi.org/10.1016/j.ridd.2019.03.008>

- [43] Jallo, N., Thacker, L. R., Menzies, V., Stojanovic, P., & Svikis, D. S. (2017). A Stress Coping App for Hospitalized Pregnant Women at Risk for Preterm Birth. *MCN: The American Journal of Maternal/Child Nursing*, 42(5), 257–262. <https://doi.org/10.1097/nmc.0000000000000355>
- [44] Janes, A. C., Datko, M., Roy, A., Barton, B., Druker, S., Neal, C., Ohashi, K., Benoit, H., van Lutterveld, R., & Brewer, J. A. (2019). Quitting starts in the brain: a randomized controlled trial of app-based mindfulness shows decreases in neural responses to smoking cues that predict reductions in smoking. *Neuropsychopharmacology*, 44(9), 1631–1638. <https://doi.org/10.1038/s41386-019-0403-y>
- [45] Kahn, J. R., Collinge, W., & Soltysik, R. (2016). Post-9/11 Veterans and Their Partners Improve Mental Health Outcomes with a Self-directed Mobile and Web-based Wellness Training Program: A Randomized Controlled Trial. *Journal of Medical Internet Research*, 18(9), e255. <https://doi.org/10.2196/jmir.5800>
- [46] Kizakevich, P. N., Eckhoff, R., Brown, J., Tueller, S. J., Weimer, B., Bell, S., Weeks, A., Hourani, L. L., Spira, J. L., & King, L. A. (2018). PHIT for Duty, a Mobile Application for Stress Reduction, Sleep Improvement, and Alcohol Moderation. *Military Medicine*, 183(suppl_1), 353–363. <https://doi.org/10.1093/milmed/usx157>
- [47] Kopencey, S. M. (2017). *Effects of A Mindfulness-Based Mobile Application on Empathy and Mindfulness with Psychotherapists*. <https://aura.antioch.edu/etds/402>
- [48] Krusche, A., Jack, C. D., Blunt, C., & Hsu, A. (2019). Mindfulness-Based Organisational Education: an Evaluation of a Mindfulness Course Delivered to Employees at the Royal Orthopaedic Hospital. *Mindfulness*, 11(2), 362–373. <https://doi.org/10.1007/s12671-019-01121-x>
- [49] Kubo, A., Kurtovich, E., McGinnis, M., Aghaee, S., Altschuler, A., Quesenberry, C., Kolevska, T., & Avins, A. L. (2019). A Randomized Controlled Trial of mHealth Mindfulness Intervention for Cancer Patients and Informal Cancer Caregivers: A Feasibility Study Within an Integrated Health Care Delivery System. *Integrative Cancer Therapies*, 18, 153473541985063. <https://doi.org/10.1177/1534735419850634>

- [50] Kubo, A., Altschuler, A., Kurtovich, E., Hendlish, S., Laurent, C. A., Kolevska, T., Li, Y., & Avins, A. (2018). A Pilot Mobile-Based Mindfulness Intervention for Cancer Patients and Their Informal Caregivers. *Mindfulness*, 9(6), 1885–1894. <https://doi.org/10.1007/s12671-018-0931-2>
- [51] Lappalainen, R., Sairanen, E., Järvelä, E., Rantala, S., Korpela, R., Puttonen, S., Kujala, U. M., Myllymäki, T., Peuhkuri, K., Mattila, E., Kaipainen, K., Ahtinen, A., Karhunen, L., Pihlajamäki, J., Järnefelt, H., Laitinen, J., Kutinlahti, E., Saarelma, O., Ermes, M., & Kolehmainen, M. (2014). The effectiveness and applicability of different lifestyle interventions for enhancing wellbeing: the study design for a randomized controlled trial for persons with metabolic syndrome risk factors and psychological distress. *BMC Public Health*, 14(1), 1–16. <https://doi.org/10.1186/1471-2458-14-310>
- [52] Laurie, J., & Blandford, A. (2016). Making time for mindfulness. *International Journal of Medical Informatics*, 96, 38–50. <https://doi.org/10.1016/j.ijmedinf.2016.02.010>
- [53] Lee, R. A., & Jung, M. E. (2018). Evaluation of an mHealth App (DeStressify) on University Students' Mental Health: Pilot Trial. *JMIR Mental Health*, 5(1), e2. <https://doi.org/10.2196/mental.8324>
- [54] Lehto, R., Heeter, C., Allbritton, M., & Wiseman, M. (2018). Hospice and Palliative Care Provider Experiences With Meditation Using Mobile Applications. *Oncology Nursing Forum*, 45(3), 380–388. <https://doi.org/10.1188/18.onf.380-388>
- [55] Lenz, B., Eichler, A., Schwenke, E., Buchholz, V., Hartwig, C., Moll, G., Reich, K., Mühle, C., Volz, B., Titzmann, A., Beckmann, M., Heinrich, H., Kornhuber, J., & Fasching, P. (2018). Mindfulness-based Stress Reduction in Pregnancy: an App-Based Programme to Improve the Health of Mothers and Children (MINDFUL/PMI Study). *Geburtshilfe Und Frauenheilkunde*, 78(12), 1283–1291. <https://doi.org/10.1055/a-0677-2630>
- [56] Leonard, N. R., Casarjian, B., Fletcher, R. R., Prata, C., Sherpa, D., Kelemen, A., Rajan, S., Salaam, R., Cleland, C. M., & Gwadz, M. V. (2018). Theoretically-Based Emotion Regulation Strategies Using a Mobile App and Wearable Sensor Among

Homeless Adolescent Mothers: Acceptability and Feasibility Study. *JMIR Pediatrics and Parenting*, 1(1), e1. <https://doi.org/10.2196/pediatrics.9037>

- [57] Loree, L. D. (2018). *indfulness and cognitive behavior therapy: a comparison of brief app-based interventions on stress among foster parents*. ProQuest Dissertations Publishing.
<https://search.proquest.com/openview/5170433d71cdd66d31083f274d3f33df/1?pq-origsite=gscholar&cbl=18750&diss=y>
- [58] Ly, K. H., Trüschel, A., Jarl, L., Magnusson, S., Windahl, T., Johansson, R., Carlbring, P., & Andersson, G. (2014). Behavioural activation versus mindfulness-based guided self-help treatment administered through a smartphone application: a randomised controlled trial. *BMJ Open*, 4(1), e003440. <https://doi.org/10.1136/bmjopen-2013-003440>
- [59] Lyzwinski, L. N., Caffery, L., Bambling, M., & Edirippulige, S. (2019). The Mindfulness App Trial for Weight, Weight-Related Behaviors, and Stress in University Students: Randomized Controlled Trial. *JMIR MHealth and UHealth*, 7(4), e12210. <https://doi.org/10.2196/12210>
- [60] Mak, W. W., Tong, A. C., Yip, S. Y., Lui, W. W., Chio, F. H., Chan, A. T., & Wong, C. C. (2018). Efficacy and Moderation of Mobile App-Based Programs for Mindfulness-Based Training, Self-Compassion Training, and Cognitive Behavioral Psychoeducation on Mental Health: Randomized Controlled Noninferiority Trial. *JMIR Mental Health*, 5(4), e60. <https://doi.org/10.2196/mental.8597>
- [61] Mason, A. E., Jhaveri, K., Cohn, M., & Brewer, J. A. (2017). Testing a mobile mindful eating intervention targeting craving-related eating: feasibility and proof of concept. *Journal of Behavioral Medicine*, 41(2), 160–173.
<https://doi.org/10.1007/s10865-017-9884-5>
- [62] Mikolasek, M., Witt, C. M., & Barth, J. (2018). Adherence to a Mindfulness and Relaxation Self-Care App for Cancer Patients: Mixed-Methods Feasibility Study. *JMIR MHealth and UHealth*, 6(12), e11271. <https://doi.org/10.2196/11271>

- [63] Mistler, L. A., Ben-Zeev, D., Carpenter-Song, E., Brunette, M. F., & Friedman, M. J. (2017). Mobile Mindfulness Intervention on an Acute Psychiatric Unit: Feasibility and Acceptability Study. *JMIR Mental Health*, 4(3), e34. <https://doi.org/10.2196/mental.7717>
- [64] Moberg, C., Niles, A., & Beermann, D. (2019). Guided Self-Help Works: Randomized Waitlist Controlled Trial of Pacifica, a Mobile App Integrating Cognitive Behavioral Therapy and Mindfulness for Stress, Anxiety, and Depression. *Journal of Medical Internet Research*, 21(6), e12556. <https://doi.org/10.2196/12556>
- [65] Moffitt-Carney, K. M., & Duncan, A. B. (2019). Evaluation of a mindfulness-based mobile application with college students: A pilot study. *Journal of American College Health*, 69(2), 208–214. <https://doi.org/10.1080/07448481.2019.1661420>
- [66] Morrison, L. G., Geraghty, A. W., Lloyd, S., Goodman, N., Michaelides, D. T., Hargood, C., Weal, M., & Yardley, L. (2018). Comparing usage of a web and app stress management intervention: An observational study. *Internet Interventions*, 12, 74–82. <https://doi.org/10.1016/j.invent.2018.03.006>
- [67] Niksirat, K. S., Silpasuwanchai, C., Cheng, P., & Ren, X. (2019). Attention regulation framework: Designing self-regulated mindfulness technologies. *ACM Transactions on Computer-Human Interaction*, 26(6), 1–44. <https://doi.org/10.1145/3359593>
- [68] Pender Norton, V. (2017). *The CALM Project: Teaching Mindfulness Meditation in Primary Care Using Computer-Based Application*. https://digitalcommons.gardner-webb.edu/nursing_etd/266
- [69] Plaza García, I., Sánchez, C. M., Espílez, N. S., García-Magariño, I., Guillén, G. A., & García-Campayo, J. (2017). Development and initial evaluation of a mobile application to help with mindfulness training and practice. *International Journal of Medical Informatics*, 105, 59–67. <https://doi.org/10.1016/j.ijmedinf.2017.05.018>
- [70] Prada, P., Zamberg, I., Bouillault, G., Jimenez, N., Zimmermann, J., Hasler, R., Aubry, J. M., Nicastro, R., & Perroud, N. (2016). EMOTEO: A Smartphone Application

for Monitoring and Reducing Aversive Tension in Borderline Personality Disorder Patients, a Pilot Study. *Perspectives in Psychiatric Care*, 53(4), 289–298.
<https://doi.org/10.1111/ppc.12178>

- [71] Roos, C. R., Brewer, J. A., O'Malley, S. S., & Garrison, K. A. (2019). Baseline Craving Strength as a Prognostic Marker of Benefit from Smartphone App-Based Mindfulness Training for Smoking Cessation. *Mindfulness*, 10(10), 2165–2171.
<https://doi.org/10.1007/s12671-019-01188-6>
- [72] Rosen, K. D., Paniagua, S. M., Kazanis, W., Jones, S., & Potter, J. S. (2018). Quality of life among women diagnosed with breast Cancer: A randomized waitlist controlled trial of commercially available mobile app-delivered mindfulness training. *Psycho-Oncology*, 27(8), 2023–2030. <https://doi.org/10.1002/pon.4764>
- [73] Rosen, K. D. (2016). *Is there an app for that? An exploratory randomized controlled trial of app-based mindfulness training for women with breast cancer*. ProQuest Dissertations Publishing.
<https://search.proquest.com/openview/025a3306918540d35302bcee3e4ac77b/1?pq-origsite=gscholar&cbl=18750&diss=y>
- [74] Roy, M. J., Costanzo, M. E., Highland, K. B., Olsen, C., Clayborne, D., & Law, W. (2017). An App a Day Keeps the Doctor Away: Guided Education and Training via Smartphones in Subthreshold Post Traumatic Stress Disorder. *Cyberpsychology, Behavior, and Social Networking*, 20(8), 470–478.
<https://doi.org/10.1089/cyber.2017.0221>
- [75] Seidman, L. C., Martin, S. R., Trant, M. W., Payne, L. A., Zeltzer, L. K., Cousineau, T. M., & Donovan, E. (2019). Feasibility and Acceptance Testing of a Mobile Application Providing Psychosocial Support for Parents of Children and Adolescents With Chronic Pain: Results of a Nonrandomized Trial. *Journal of Pediatric Psychology*, 44(6), 645–655. <https://doi.org/10.1093/jpep/jsz007>
- [76] Sieverdes, J. C., Adams, Z. W., Nemeth, L., Brunner-Jackson, B., Mueller, M., Anderson, A., Patel, S., Sox, L., & Treiber, F. A. (2017). Formative evaluation on

cultural tailoring breathing awareness meditation smartphone apps to reduce stress and blood pressure. *MHealth*, 3, 44. <https://doi.org/10.21037/mhealth.2017.09.04>

- [77] Sikder, A. T., Yang, F. C., Schafer, R., Dowling, G. A., Traeger, L., & Jain, F. A. (2019). Mentalizing Imagery Therapy Mobile App to Enhance the Mood of Family Dementia Caregivers: Feasibility and Limited Efficacy Testing. *JMIR Aging*, 2(1), e12850. <https://doi.org/10.2196/12850>
- [78] Silva Almodovar, A., Surve, S., Axon, D. R., Cooper, D., & Nahata, M. C. (2018). Self-Directed Engagement with a Mobile App (Sinaspri) and Its Effects on Confidence in Coping Skills, Depression, and Anxiety: Retrospective Longitudinal Study. *JMIR MHealth and UHealth*, 6(3), e64. <https://doi.org/10.2196/mhealth.9612>
- [79] Strobel, C. R., Burton, Z. L., Katzmarek, A. J., & Gafford, G. M. (2017). *The Lived Experience of Adults Using a Meditation App: A Phenomenological Study*. https://sophia.stkate.edu/ma_hhs/15
- [80] Svetlov, A. S., Nelson, M. M., Antonenko, P. D., McNamara, J. P., & Bussing, R. (2019). Commercial mindfulness aid does not aid short-term stress reduction compared to unassisted relaxation. *Heliyon*, 5(3), e01351. <https://doi.org/10.1016/j.heliyon.2019.e01351>
- [81] Trub, L., & Starks, T. J. (2017). Textual Healing: Proof of Concept Study Examining the Impact of a Mindfulness Intervention on Smartphone Behavior. *Mindfulness*, 8(5), 1225–1235. <https://doi.org/10.1007/s12671-017-0697-y>
- [82] Vacca, R. (Ed.). (2016b). *Designing for Interactive Loving and Kindness Meditation on Mobile*. ACM. <https://doi.org/10.1145/2851581.2892396>
- [83] Vacca, R. (2017). Promises and Pitfalls of Computer-Supported Mindfulness: Exploring a Situated Mobile Approach. *Computers*, 7(1), 2. <https://doi.org/10.3390/computers7010002>
- [84] Vacca, R., & Hoadley, C. (Eds.). (2016). *Understanding the Experience of Situated Mindfulness Through a Mobile App That Prompts Self-reflection and Directs*

Non-reactivity. Springer International Publishing. https://doi.org/10.1007/978-3-319-40250-5_38

- [85] Vacca, R. (2016a). *Cultivating situated mindfulness in everyday life: A design-based study of a mobile approach* (No. 10169533). ProQuest. <https://DELETE.com>
- [86] Van Emmerik, A. A. P., Berings, F., & Lancee, J. (2017). Efficacy of a Mindfulness-Based Mobile Application: a Randomized Waiting-List Controlled Trial. *Mindfulness*, 9(1), 187–198. <https://doi.org/10.1007/s12671-017-0761-7>
- [87] Versluis, A., Verkuil, B., Spinhoven, P., & Brosschot, J. F. (2018). Feasibility and effectiveness of a worry-reduction training using the smartphone: a pilot randomised controlled trial. *British Journal of Guidance & Counselling*, 48(2), 227–239. <https://doi.org/10.1080/03069885.2017.1421310>
- [88] Vianello, A., Chittaro, L., & Matassa, A. (2018). TANGAEON: Tangible Interaction to Support People in a Mindfulness Practice. *International Journal of Human–Computer Interaction*, 35(12), 1086–1101. <https://doi.org/10.1080/10447318.2018.1509540>
- [89] Walsh, K. M., Saab, B. J., & Farb, N. A. (2019). Effects of a Mindfulness Meditation App on Subjective Well-Being: Active Randomized Controlled Trial and Experience Sampling Study. *JMIR Mental Health*, 6(1), e10844. <https://doi.org/10.2196/10844>
- [90] Wen, L., Sweeney, T. E., Welton, L., Trockel, M., & Katznelson, L. (2017). Encouraging Mindfulness in Medical House Staff via Smartphone App: A Pilot Study. *Academic Psychiatry*, 41(5), 646–650. <https://doi.org/10.1007/s40596-017-0768-3>
- [91] Yang, E., Schamber, E., Meyer, R. M. L., & Gold, J. I. (2018). Happier Healers: Randomized Controlled Trial of Mobile Mindfulness for Stress Management. *The Journal of Alternative and Complementary Medicine*, 24(5), 505–513. <https://doi.org/10.1089/acm.2015.0301>
- [92] Yip, Y. C. (2018). *Cultivation of Self-compassion and Mindfulness through Mobile Application for the Promotion of Well-being: A Randomized Controlled Trial*

(No. 10805407). ProQuest Dissertations Publishing.

<https://search.proquest.com/openview/955c5fd6c155dbdb94214dbffc1ce3c0/1?pq-origsite=gscholar&cbl=2026366&diss=y>

- [93] Ziegler, D. A., Simon, A. J., Gallen, C. L., Skinner, S., Janowich, J. R., Volponi, J. J., Rolle, C. E., Mishra, J., Kornfield, J., Anguera, J. A., & Gazzaley, A. (2019). Closed-loop digital meditation improves sustained attention in young adults. *Nature Human Behaviour*, 3(7), 746–757. <https://doi.org/10.1038/s41562-019-0611-9>