



Universiteit
Leiden
The Netherlands

Collaborative mental health care : changing the landscape of mental health care?

Orden, M.L. van; Orden M.L. van

Citation

Orden, M. L. van. (2017, October 5). *Collaborative mental health care : changing the landscape of mental health care?*. Retrieved from <https://hdl.handle.net/1887/52992>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/52992>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/52992> holds various files of this Leiden University dissertation.

Author: Orden, M.L. van

Title: Collaborative mental health care : changing the landscape of mental health care?

Issue Date: 2017-10-05

References

1. Gabel S, Oster GD. Mental health providers confronting organizational change: process, problems, and strategies. *Psychiatry*. 1998;61(4):302-16.
2. Priebe S, Badesconyi A, Fioritti A, Hansson L, Kilian R, Torres-Gonzales F, et al. Reinstitutionalisation in mental health care: comparison of data on service provision from six European countries. *BMJ*. 2005;330(7483):123-6.
3. Haveman MJ. Dehospitalization of psychiatric care in The Netherlands. *Acta Psychiatr Scand*. 1986;73(4):456-63.
4. Yohanna D. Deinstitutionalization of people with mental illness: causes and consequences. *Virtual Mentor*. 2013;15(10):886-91.
5. WHO. The World Health Report 2001: Mental Health : New Understanding, New Hope. Geneva, Switzerland: 2001.
6. Anderson G, Hussey PS. Comparing health system performance in OECD countries. Organization for Economic Cooperation and Development. *Health Aff (Millwood)*. 2001;20(3):219-32.
7. Ham C, Brommels M. Health care reform in The Netherlands, Sweden, and the United Kingdom. *Health Aff (Millwood)*. 1994;13(5):106-19.
8. Sackett DL, Rosenberg WM, Gray JA, Haynes RB, Richardson WS. Evidence based medicine: what it is and what it isn't. *BMJ*. 1996;312(7023):71-2.
9. Aarons GA, Wells RS, Zagursky K, Fettes DL, Palinkas LA. Implementing evidence-based practice in community mental health agencies: a multiple stakeholder analysis. *Am J Public Health*. 2009;99(11):2087-95.
10. Drake RE, Goldman HH, Leff HS, Lehman AF, Dixon L, Mueser KT, et al. Implementing evidence-based practices in routine mental health service settings. *Psychiatr Serv*. 2001;52(2):179-82.
11. OECD. OECD Health Statistics 2015 - Focus on health spending. 2015.
12. Catalano R, Goldman-Mellor S, Saxton K, Margerison-Zilko C, Subbaraman M, LeWinn K, et al. The health effects of economic decline. *Annu Rev Public Health*. 2011;32:431-50.
13. Eichler HG, Kong SX, Gerth WC, Mavros P, Jonsson B. Use of cost-effectiveness analysis in health-care resource allocation decision-making: how are cost-effectiveness thresholds expected to emerge? *Value Health*. 2004;7(5):518-28.
14. Bongaarts J. Human population growth and the demographic transition. *Philos Trans R Soc Lond B Biol Sci*. 2009;364(1532):2985-90.
15. Bijl RV, Ravelli A. Psychiatric morbidity, service use, and need for care in the general population: results of The Netherlands Mental Health Survey and Incidence Study. *Am J Public Health*. 2000;90(4):602-7.
16. Schene AH, Faber AM. Mental health care reform in The Netherlands. *Acta Psychiatr Scand Suppl*. 2001(410):74-81.
17. McLaughlin H. What's in a name:'client','patient','customer','consumer','expert by experience','service user'—what's next? *British Journal of Social Work*. 2009;39(6):1101-17.

18. PsyNld. Psychiatrische aandoeningen, stigmatisering én de invloed van media 2015. Available from: <http://psychiatrie-nederland.nl/nieuws/psychiatrische-aandoeningen-stigmatisering-en-de-invloed-van-media/>.
19. Prince M, Patel V, Saxena S, Maj M, Maselko J, Phillips M, et al. No health without mental health. *Lancet.* 2007;370 (Series):859-77.
20. Sareen J, Jagdeo A, Cox BJ, Clara I, ten Have M, Belik SL, et al. Perceived barriers to mental health service utilization in the United States, Ontario, and the Netherlands. *Psychiatr Serv.* 2007;58(3):357-64.
21. Schoen C, Osborn R, Doty MM, Bishop M, Peugh J, Murukutla N. Toward higher-performance health systems: adults' health care experiences in seven countries, 2007. *Health Aff (Millwood).* 2007;26(6):w717-34.
22. van Beljouw I, Verhaak P, Prins M, Cuijpers P, Penninx B, Bensing J. Reasons and determinants for not receiving treatment for common mental disorders. *Psychiatr Serv.* 2010;61(3):250-7.
23. Unutzer J, Schoenbaum M, Druss BG, Katon WJ. Transforming mental health care at the interface with general medicine: report for the presidents commission. *Psychiatr Serv.* 2006;57(1):37-47.
24. Bower P, Gilbody S. Managing common mental health disorders in primary care: conceptual models and evidence base. *BMJ.* 2005;330(7495):839-42.
25. Kates N, Craven M, Crustolo AM, Nikolaou L, Allen C. Integrating mental health services within primary care. A Canadian program. *Gen Hosp Psychiatry.* 1997;19(5):324-32.
26. Rijnders P, de Jong, T, Isebaert, L, van Tilburg, C, van den Ameele, H, editor. *Kortdurend behandelen in de GGZ.* De Praktijk Houten/Diegem: Bohn Stafleu van Loghum; 2002.
27. Rijnders P, Heene, E, editor. *Kortdurende psychologische interventies voor de eerste lijn.* Amsterdam: Uitgeverij Boom; 2014.
28. Bower P, Gilbody S. Stepped care in psychological therapies: access, effectiveness and efficiency. Narrative literature review. *Br J Psychiatry.* 2005;186:11-7.
29. van Straten A, Tiemens B, Hakkaart L, Nolen WA, Donker MC. Stepped care vs. matched care for mood and anxiety disorders: a randomized trial in routine practice. *Acta Psychiatr Scand.* 2006;113(6):468-76.
30. CBS. Acht procent van de Nederlanders nooit op internet: Centraal Bureau voor de statistiek; 2016. Available from: <https://www.cbs.nl/nl-nl/nieuws/2016/22/acht-procent-van-de-nederlanders-nooit-op-internet>.
31. Barr Taylor C, Luce K. Computer- and Internet-Based Psychotherapy Interventions. *Current Directions in Psychological Science.* 2003;12(1):18-22.
32. Forkner-Dunn J. Internet-based patient self-care: the next generation of health care delivery. *J Med Internet Res.* 2003;5(2):e8.
33. Kemmeren LL, van Schaik DJ, Riper H, Kleiboer AM, Bosmans JE, Smit JH. Effectiveness of blended depression treatment for adults in specialised mental healthcare: study protocol for a randomised controlled trial. *BMC Psychiatry.* 2016;16:113.
34. Kleiboer A, Smit J, Bosmans J, Ruwaard J, Andersson G, Topooco N, et al. European COMPARative Effectiveness research on blended Depression treatment versus treatment-

- as-usual (E-COMPARED): study protocol for a randomized controlled, non-inferiority trial in eight European countries. *Trials.* 2016;17(1):387.
35. Mathiasen K, Andersen TE, Riper H, Kleiboer AA, Roessler KK. Blended CBT versus face-to-face CBT: a randomised non-inferiority trial. *BMC Psychiatry.* 2016;16(1):432.
36. Romijn G, Riper H, Kok R, Donker T, Goorden M, van Roijen LH, et al. Cost-effectiveness of blended vs. face-to-face cognitive behavioural therapy for severe anxiety disorders: study protocol of a randomized controlled trial. *BMC Psychiatry.* 2015;15:311.
37. Volker D, Vlasveld MC, Anema JR, Beekman AT, Roijen LH, Brouwers EP, et al. Blended E-health module on return to work embedded in collaborative occupational health care for common mental disorders: design of a cluster randomized controlled trial. *Neuropsychiatr Dis Treat.* 2013;9:529-37.
38. Andersson G, Bergstrom J, Hollandare F, Carlbring P, Kaldo V, Ekselius L. Internet-based self-help for depression: randomised controlled trial. *Br J Psychiatry.* 2005;187:456-61.
39. Lewis C, Pearce J, Bisson JI. Efficacy, cost-effectiveness and acceptability of self-help interventions for anxiety disorders: systematic review. *Br J Psychiatry.* 2012;200(1):15-21.
40. Riper H, Spek V, Boon B, Conijn B, Kramer J, Martin-Abello K, et al. Effectiveness of E-self-help interventions for curbing adult problem drinking: a meta-analysis. *J Med Internet Res.* 2011;13(2):e42.
41. Andersson G. Using the Internet to provide cognitive behaviour therapy. *Behaviour Research and Therapy.* 2009;47(3):175-80.
42. Klein B, Meyer D, Austin DW, Kyrios M. Anxiety online: a virtual clinic: preliminary outcomes following completion of five fully automated treatment programs for anxiety disorders and symptoms. *J Med Internet Res.* 2011;13(4):e89.
43. Mackinnon A, Griffiths KM, Christensen H. Comparative randomised trial of online cognitive-behavioural therapy and an information website for depression: 12-month outcomes. *Br J Psychiatry.* 2008;192(2):130-4.
44. Wagner B, Horn AB, Maercker A. Internet-based versus face-to-face cognitive-behavioral intervention for depression: a randomized controlled non-inferiority trial. *J Affect Disord.* 2014;152-154:113-21.
45. Eysenbach G, Powell J, Englesakis M, Rizo C, Stern A. Health related virtual communities and electronic support groups: systematic review of the effects of online peer to peer interactions. *BMJ.* 2004;328(7449):1166.
46. Krijn M, Emmelkamp PM, Olafsson RP, Biemond R. Virtual reality exposure therapy of anxiety disorders: a review. *Clin Psychol Rev.* 2004;24(3):259-81.
47. Muntingh A, van der Feltz-Cornelis C, van Marwijk H, Spinhoven P, Assendelft W, de Waal M, et al. Effectiveness of collaborative stepped care for anxiety disorders in primary care: a pragmatic cluster randomised controlled trial. *Psychother Psychosom.* 2014;83(1):37-44.
48. Muntingh AD, van der Feltz-Cornelis CM, van Marwijk HW, Spinhoven P, van Balkom AJ. Collaborative care for anxiety disorders in primary care: a systematic review and meta-analysis. *BMC Fam Pract.* 2016;17:62.

49. Woltmann E, Grogan-Kaylor A, Perron B, Georges H, Kilbourne AM, Bauer MS. Comparative effectiveness of collaborative chronic care models for mental health conditions across primary, specialty, and behavioral health care settings: systematic review and meta-analysis. *Am J Psychiatry*. 2012;169(8):790-804.
50. Gilbody S, Bower P, Fletcher J, Richards D, Sutton AJ. Collaborative care for depression: a cumulative meta-analysis and review of longer-term outcomes. *Arch Intern Med*. 2006;166(21):2314-21.
51. Gilbody S, Lewis H, Adamson J, Atherton K, Bailey D, Birtwistle J, et al. Effect of Collaborative Care vs Usual Care on Depressive Symptoms in Older Adults With Subthreshold Depression: The CASPER Randomized Clinical Trial. *Jama*. 2017;317(7):728-37.
52. Richards DA, Bower P, Chew-Graham C, Gask L, Lovell K, Cape J, et al. Clinical effectiveness and cost-effectiveness of collaborative care for depression in UK primary care (CADET): a cluster randomised controlled trial. *Health Technol Assess*. 2016;20(14):1-192.
53. Thota AB, Sipe TA, Byard GJ, Zometa CS, Hahn RA, McKnight-Eily LR, et al. Collaborative care to improve the management of depressive disorders: a community guide systematic review and meta-analysis. *Am J Prev Med*. 2012;42(5):525-38.
54. Jacob V, Chattopadhyay SK, Sipe TA, Thota AB, Byard GJ, Chapman DP, et al. Economics of collaborative care for management of depressive disorders: a community guide systematic review. *Am J Prev Med*. 2012;42(5):539-49.
55. van Steenbergen-Weijenburg KM, van der Feltz-Cornelis CM, Horn EK, van Marwijk HW, Beekman AT, Rutten FF, et al. Cost-effectiveness of collaborative care for the treatment of major depressive disorder in primary care. A systematic review. *BMC Health Serv Res*. 2010;10:19.
56. Commission E. eHealth Action Plan 2012-2020 - Innovative healthcare for the 21st century. In: Commission E, editor. Brussels2012.
57. Ross J, Stevenson F, Lau R, Murray E. Exploring the challenges of implementing e-health: a protocol for an update of a systematic review of reviews. *BMJ Open*. 2015;5(4):e006773.
58. Mair F, May C, O'Donnell C. Factors that promote or inhibit the implementation of e-health systems: an explanatory systematic review. *Bulletin of the World Health Organization*. 2012.
59. Verhaak PF, Hoeymans N, Garsse AA, Westert GP. Mental health in the Dutch population and in general practice: 1987-2001. *Br J Gen Pract*. 2005;55(519):770-5.
60. Verhaak PF, van de Lisdonk EH, Bor JH, Hutschemaekers GJ. GPs' referral to mental health care during the past 25 years. *Br J Gen Pract*. 2000;50(453):307-8.
61. Vries de W. Consultation in primary care: know-it-all or gift from heaven? [in Dutch]. *Huisarts en Wetenschap*. 2001;12:559-62.
62. Craven MA, Bland R. Shared mental health care: a bibliography and overview. *Can J Psychiatry*. 2002;47(2 Suppl 1):iS-viiIS, 1S-103S.
63. Gask L, Sibbald B, Creed F. Evaluating models of working at the interface between mental health services and primary care. *Br J Psychiatry*. 1997;170:6-11.

64. Bower P, Gilbody S, Richards D, Fletcher J, Sutton A. Collaborative care for depression in primary care. Making sense of a complex intervention: systematic review and meta-regression. *Br J Psychiatry*. 2006;189:484-93.
65. Katon W, Von Korff M, Lin E, Walker E, Simon GE, Bush T, et al. Collaborative management to achieve treatment guidelines. Impact on depression in primary care. *Jama*. 1995;273(13):1026-31.
66. Unutzer J, Katon W, Callahan CM, Williams JW, Jr., Hunkeler E, Harpole L, et al. Collaborative care management of late-life depression in the primary care setting: a randomized controlled trial. *Jama*. 2002;288(22):2836-45.
67. Craven MA, Bland R. Better practices in collaborative mental health care: an analysis of the evidence base. *Can J Psychiatry*. 2006;51(6 Suppl 1):7S-72S.
68. Gournay K, Brooking J. Community psychiatric nurses in primary health care. *Br J Psychiatry*. 1994;165(2):231-8.
69. Kendrick T, Simons L, Mynors-Wallis L, Gray A, Lathlean J, Pickering R, et al. Cost-effectiveness of referral for generic care or problem-solving treatment from community mental health nurses, compared with usual general practitioner care for common mental disorders: Randomised controlled trial. *Br J Psychiatry*. 2006;189:50-9.
70. Campbell MK, Grimshaw JM. Cluster randomised trials: time for improvement. The implications of adopting a cluster design are still largely being ignored. *BMJ*. 1998;317(7167):1171-2.
71. Campbell MK, Elbourne DR, Altman DG. CONSORT statement: extension to cluster randomised trials. *Bmj*. 2004;328(7441):702-8.
72. Sheehan D, Leclubier Y, Sheehan K, Amorim P, Janavas J, Weiller E, et al. The Mini-International Neuropsychiatric Interview (M.I.N.I.): The Development and Validation of a Structured Diagnostic Psychiatric Interview for DSM-IV and ICD-10. *Journal of Clinical Psychiatry*. 1998;59((suppl. 20)):22-33.
73. Leclubier Y, Sheehan D, Weiller E, Amorim P, Bonora I, Sheehan K, et al. The Mini International Neuropsychiatric Interview (MINI). A short diagnostic structured interview: reliability and validity according to the CIDI. *European Psychiatry*. 1997;12:224-31.
74. Overbeek T, Schruers K, Griez E. MINI-The International Neuropsychiatric Interview: Dutch version 5.0.0 DSM-IV. Internal Publication University of Maastricht: Maastricht., 1999.
75. Derogatis LR, Lipman RS, Covell L. SCL-90: an outpatient psychiatric rating scale--preliminary report. *Psychopharmacol Bull*. 1973;9(1):13-28.
76. Arrindell W, Ettema J. Manual of a Multidimensional Indicator of Psychopathology [in Dutch]. Netherlands: Swets Test Publishers, 1986.
77. Group TW. Development of the World Health Organization WHOQOL-BREF Quality of Life Assessment. *Psychological Medicine*. 1998;28:551-8.
78. Kok I, van Wijngaarden B. Client Appreciation in Mental Health Care: Manual of the Dutch Mental Healthcare Thermometer of Appreciation by Clients [in Dutch]. Utrecht: Trimbos-instituut/GGZ Nederland, 2003.
79. Rijnders P, de Jong, T, Isebaert, L, van Tilburg, C, van den Ameele, H, editor. Practice Model [in Dutch]. Houten/Diegem: Bohn Stafleu van Loghum; 2002.

80. Killip S, Mahfoud Z, Pearce K. What is an intracluster correlation coefficient? Crucial concepts for primary care researchers. *Ann Fam Med.* 2004;2(3):204-8.
81. Raudenbush S, Bryk A. Hierarchical Linear Models. Applications and Data Analysis Methods Second edition ed. Newbury Park,CA: Sage Publications; 2002.
82. Rasbash J, Steele F, Browne W, Prosser B. A User's Guide to MLwiN. 2.0 ed: Centre for Multilevel Modelling, University of Bristol; 2005.
83. Emmanuel JS, McGee A, Ukoumunne OC, Tyrer P. A randomised controlled trial of enhanced key-worker liaison psychiatry in general practice. *Soc Psychiatry Psychiatr Epidemiol.* 2002;37(6):261-6.
84. Verhaak PF, van den Brink-Muinen A, Bensing JM, Gask L. Demand and supply for psychological help in general practice in different European countries: access to primary mental health care in six European countries. *Eur J Public Health.* 2004;14(2):134-40.
85. Kates N, Craven, M.A., Crustolo, A.-M., Nikolaou, L. Mental health Services in the Family Physician's Office: A Canadian Experiment. *Israelian Journal of Related Sciences.* 1998;35(2):104-13.
86. Steel Z, Marnane C, Iranpour C, Chey T, Jackson JW, Patel V, et al. The global prevalence of common mental disorders: a systematic review and meta-analysis 1980-2013. *Int J Epidemiol.* 2014;43(2):476-93.
87. Wittchen HU, Jacobi F, Rehm J, Gustavsson A, Svensson M, Jonsson B, et al. The size and burden of mental disorders and other disorders of the brain in Europe 2010. *Eur Neuropsychopharmacol.* 2011;21(9):655-79.
88. Wittchen HU, Jacobi F. Size and burden of mental disorders in Europe--a critical review and appraisal of 27 studies. *Eur Neuropsychopharmacol.* 2005;15(4):357-76.
89. Smit F, Cuijpers P, Oostenbrink J, Batelaan N, de Graaf R, Beekman A. Costs of nine common mental disorders: implications for curative and preventive psychiatry. *J Ment Health Policy Econ.* 2006;9(4):193-200.
90. Gilbody S, Bower P, Whitty P. Costs and consequences of enhanced primary care for depression: systematic review of randomised economic evaluations. *Br J Psychiatry.* 2006;189:297-308.
91. Van't Veer-Tazelaar P, Smit F, van Hout H, van Oppen P, van der Horst H, Beekman A, et al. Cost-effectiveness of a stepped care intervention to prevent depression and anxiety in late life: randomised trial. *Br J Psychiatry.* 196:319-25.
92. Gournay K, Brooking J. The community psychiatric nurse in primary care: an economic analysis. *J Adv Nurs.* 1995;22(4):769-78.
93. Katon W, Russo J, Sherbourne C, Stein MB, Craske M, Fan MY, et al. Incremental cost-effectiveness of a collaborative care intervention for panic disorder. *Psychol Med.* 2006;36(3):353-63.
94. Bower P, Rowland N. Effectiveness and cost effectiveness of counselling in primary care. *Cochrane Database Syst Rev.* 2006(3):CD001025.
95. Drummond C, Coulton S, James D, Godfrey C, Parrott S, Baxter J, et al. Effectiveness and cost-effectiveness of a stepped care intervention for alcohol use disorders in primary care: pilot study. *Br J Psychiatry.* 2009;195(5):448-56.

96. van Orden M, Hoffman T, Haffmans J, Spinhoven P, Hoencamp E. Collaborative mental health care versus care as usual in a primary care setting: a randomized controlled trial. *Psychiatr Serv.* 2009;60(1):74-9.
97. Rijnders P, De Jong T, Isebaert L, Van Tilburg C, Van den Ameele H. Kortdurend behandelen in de GGZ: de praktijk. Houten/Diegem: Bohn Stafleu Van Loghum; 2002.
98. Ettema JHM, Arrindel WA. SCL-90, Handleiding bij een multidimensionele psychopathologie indicator. . Amsterdam: Pearson; 2003.
99. Hakkaart-van Roijen L. [Manual Trimbos/iMTA questionnaire for costs associated with psychiatric illness In Dutch]. Rotterdam: Institute for Medical Technology Assessment; 2002, 2002.
100. van Orden ML, Deen ML, Spinhoven P, Haffmans J, Hoencamp E. Five-Year Mental Health Care Use by Patients Referred to Collaborative Care or to Specialized Care. *Psychiatr Serv.* 2015;66(8):840-4.
101. Oostenbrink JB, Bouwmans CAM, Koopmanschap MA, Rutten FFH. Handleiding voor kostenonderzoek. Methoden en standaard kostprijzen voor economische evaluaties in de gezondheidszorg. Rotterdam: Instituut voor Medical Technology Assessment, Erasmus MC, 2004.
102. Koopmanschap MA, Rutten FF, van Ineveld BM, van Roijen L. The friction cost method for measuring indirect costs of disease. *J Health Econ.* 1995;14(2):171-89.
103. van Buuren S. Multiple imputation of discrete and continuous data by fully conditional specification. *Stat Methods Med Res.* 2007;16(3):219-42.
104. Ng E, Grieve R. Two-stage nonparametric bootstrap sampling with shrinkage correction for clustered data. *The Stata Journal.* 2013;13:141-64.
105. O'Brien BJ, Gertsen K, Willan AR, Faulkner LA. Is there a kink in consumers' threshold value for cost-effectiveness in health care? *Health Econ.* 2002;11(2):175-80.
106. Willan AR, O'Brien BJ, Leyva RA. Cost-effectiveness analysis when the WTA is greater than the WTP. *Stat Med.* 2001;20(21):3251-9.
107. Severens JL, Brunenberg DE, Fenwick EA, O'Brien B, Joore MA. Cost-effectiveness acceptability curves and a reluctance to lose. *Pharmacoeconomics.* 2005;23(12):1207-14.
108. Evans CJ, Crawford B. Data collection methods in prospective economic evaluations: how accurate are the results? *Value Health.* 2000;3(4):277-86.
109. Fewtrell MS, Kennedy K, Singhal A, Martin RM, Ness A, Hadders-Algra M, et al. How much loss to follow-up is acceptable in long-term randomised trials and prospective studies? *Arch Dis Child.* 2008;93(6):458-61.
110. Schaefer BA, Koeter MW, Wouters L, Emmelkamp PM, Schene AH. What patient characteristics make clinicians recommend brief treatment? *Acta Psychiatr Scand.* 2003;107(3):188-96.
111. Meeuwissen JA, van der Feltz-Cornelis CM, van Marwijk HW, Rijnders PB, Donker MC. A stepped care programme for depression management: an uncontrolled pre-post study in primary and secondary care in The Netherlands. *Int J Integr Care.* 2008;8:e05.
112. WHO. The World Health Report 2001. Mental Health: New Understanding, New Hope. Geneva: World Health Organization. , 2001.

113. Andersen RM. Revisiting the behavioral model and access to medical care: does it matter? *Journal of health and social behavior.* 1995;36(1):1-10.
114. Lindsay Nour BME, Jon D.; Ford, Julian D.; Frueh, B. Christopher The role of physical health functioning, mental health, and sociodemographic factors in determining the intensity of mental health care use among primary care medical patients. *Psychological Services.* 2009;6(4):243-52.
115. Guy W. CGI-Clinical Global Impression. Rockville, MD: National Institute of Mental Health; 1976. 217-22 p.
116. Muthén LKaM, B.O. Mplus User's Guide. Sixth Edition ed: Los Angeles, CA: Muthén & Muthén; 1998-2010.
117. Babitsch B, Gohl D, von Lengerke T. Re-revisiting Andersen's Behavioral Model of Health Services Use: a systematic review of studies from 1998-2011. *Psychosoc Med.* 2012;9:Doc11.
118. van de Ven W, Schut F. Universal Mandatory Health Insurance In The Netherlands: A Model For The United States? *Health Affairs.* 2008;27(3):771-81.
119. Aoun S, Pennebaker D, Wood C. Assessing population need for mental health care: a review of approaches and predictors. *Ment Health Serv Res.* 2004;6(1):33-46.
120. Sareen J, Stein MB, Campbell DW, Hassard T, Menec V. The relation between perceived need for mental health treatment, DSM diagnosis, and quality of life: a Canadian population-based survey. *Can J Psychiatry.* 2005;50(2):87-94.
121. Gallucci G, Swartz W, Hackerman F. Impact of the wait for an initial appointment on the rate of kept appointments at a mental health center. *Psychiatr Serv.* 2005;56(3):344-6.
122. Archer J, Bower P, Gilbody S, Lovell K, Richards D, Gask L, et al. Collaborative care for depression and anxiety problems. The Cochrane database of systematic reviews. 2012;10:CD006525.
123. Bartels SJ, Coakley EH, Zubritsky C, Ware JH, Miles KM, Arean PA, et al. Improving access to geriatric mental health services: a randomized trial comparing treatment engagement with integrated versus enhanced referral care for depression, anxiety, and at-risk alcohol use. *Am J Psychiatry.* 2004;161(8):1455-62.
124. Katon W, Russo J, Von Korff M, Lin E, Simon G, Bush T, et al. Long-term effects of a collaborative care intervention in persistently depressed primary care patients. *Journal of general internal medicine.* 2002;17(10):741-8.
125. Unutzer J, Katon WJ, Fan MY, Schoenbaum MC, Lin EH, Della Penna RD, et al. Long-term cost effects of collaborative care for late-life depression. *The American journal of managed care.* 2008;14(2):95-100.
126. Rijnders P, Heene, E, editor. *Brief Psychological Interventions for the Primary Care Setting [in Dutch].* Amsterdam: Uitgeverij Boom; 2014.
127. van Vliet IM, de Beurs E. [The MINI-International Neuropsychiatric Interview. A brief structured diagnostic psychiatric interview for DSM-IV en ICD-10 psychiatric disorders]. *Tijdschrift voor psychiatrie.* 2007;49(6):393-7.
128. Team RDC, editor. R: A language and environment for statistical computing. Vienna, Austria: R Foundation for Statistical Computing; 2008.

129. Skaug H, Bolker, B., & Magnusson, A. . glmmADMB: generalized linear mixed models using ADMB [14-01-2014]. Available from: <http://r-forge.r-project.org/projects/glmmadmb/>.
130. Fournier DA, H.J. Skaug, J. Ancheta, J. Ianelli, A. Magnusson, M.N. Maunder, A. Nielsen, and J. Silvert. AD Model Builder: using automatic differentiation for statistical inference of highly parameterized complex nonlinear models. Optimization Methods and Software. 2012;27(2):233-49.
131. Akaike H. A new look at the statistical model identification. IEEE Transactions on Automatic Control. 1974;AC-19(6):716-23.
132. Pomerantz AS, Shiner B, Watts BV, Detzer MJ, Kutter C, Street B, et al. The White River model of colocated collaborative care: A platform for mental and behavioral health care in the medical home. Families, systems & health : the journal of collaborative family healthcare. 2010;28(2):114-29.
133. Fleury MJ, Imboua A, Aube D, Farand L. Collaboration between general practitioners (GPs) and mental healthcare professionals within the context of reforms in Quebec. Mental health in family medicine. 2012;9(2):77-90.
134. GGz LP. Governmental agreement future mental health care sector 2013–2014 [in Dutch] 2012 [updated 08-03-2014]. Available from: <http://www.rijksoverheid.nl/documenten-en-publicaties/rapporten/2012/06/18/bestuurlijk-akkoord-toekomst-ggz-2013-2014.html>.
135. Barak A, Grohol JM. Current and Future Trends in Internet-Supported Mental Health Interventions. Journal of Technology in Human Services. 2011;29:155-96.
136. Baumeister H, Reichler L, Munzinger M, Lin J. The impact of guidance on Internet-based mental health interventions — A systematic review. Internet Interventions. 2014;1(4):205-15.
137. Richards D, Richardson T. Computer-based psychological treatments for depression: a systematic review and meta-analysis. Clin Psychol Rev. 2012;32(4):329-42.
138. Andersson G, Cuijpers P, Carlbring P, Riper H, Hedman E. Guided Internet-based vs. face-to-face cognitive behavior therapy for psychiatric and somatic disorders: a systematic review and meta-analysis. World Psychiatry. 2014;13(3):288-95.
139. Andrews G, Cuijpers P, Craske MG, McEvoy P, Titov N. Computer therapy for the anxiety and depressive disorders is effective, acceptable and practical health care: a meta-analysis. PLoS One. 2010;5(10):e13196.
140. Gainsbury S, Blaszczynski A. A systematic review of Internet-based therapy for the treatment of addictions. Clin Psychol Rev. 2011;31(3):490-8.
141. Wilhelmsen M, Lillevoll K, Risør MB, Hoifodt R, Johansen ML, Waterloo K, et al. Motivation to persist with internet-based cognitive behavioural treatment using blended care: a qualitative study. BMC Psychiatry. 2013;13:296.
142. Kalenthaler E, Sutcliffe P, Parry G, Beverley C, Rees A, Ferriter M. The acceptability to patients of computerized cognitive behaviour therapy for depression: a systematic review. Psychol Med. 2008;38(11):1521-30.
143. Newman MG, Szkołody LE, Llera SJ, Przeworski A. A review of technology-assisted self-help and minimal contact therapies for anxiety and depression: is human contact necessary for therapeutic efficacy? Clin Psychol Rev. 2011;31(1):89-103.

144. Lancee J, van den Bout J, Sorbi MJ, van Straten A. Motivational support provided via email improves the effectiveness of internet-delivered self-help treatment for insomnia: a randomized trial. *Behav Res Ther.* 2013;51(12):797-805.
145. Kalenthaler E, Brazier J, De Nigris E, Tumur I, Ferriter M, Beverley C, et al. Computerised cognitive behaviour therapy for depression and anxiety update: a systematic review and economic evaluation. *Health Technol Assess.* 2006;10(33):iii, xi-xiv, 1-168.
146. Tate DF, Finkelstein EA, Khavjou O, Gustafson A. Cost effectiveness of internet interventions: review and recommendations. *Ann Behav Med.* 2009;38(1):40-5.
147. Lal S, Adair CE. E-mental health: a rapid review of the literature. *Psychiatr Serv.* 2014;65(1):24-32.
148. Ruwaard J, Kok R. Wild west eHealth: Time to hold our horses? *The European Health Psychologist.* 2015;17(1):45-9.
149. Mair FS, May C, O'Donnell C, Finch T, Sullivan F, Murray E. Factors that promote or inhibit the implementation of e-health systems: an explanatory systematic review. *Bull World Health Organ.* 2012;90(5):357-64.
150. May CR, Mair F, Finch T, MacFarlane A, Dowrick C, Treweek S, et al. Development of a theory of implementation and integration: Normalization Process Theory. *Implement Sci.* 2009;4:29.
151. van Orden M, Leone S, Haffmans J, Spinhoven P, Hoencamp E. Prediction of Mental Health Services Use One Year After Regular Referral to Specialized Care Versus Referral to Stepped Collaborative Care. *Community Ment Health J.* 2016.
152. Bickman L, Douglas SR, De Andrade AR, Tomlinson M, Gleacher A, Olin S, et al. Implementing a Measurement Feedback System: A Tale of Two Sites. *Adm Policy Ment Health.* 2016;43(3):410-25.
153. Beckstead DJ, Hatch AL, Lambert MJ, Eggett DL, Goates MK, Vermeersch DA. Clinical significance of the Outcome Questionnaire (OQ-45.2). *The Behavior Analyst Today.* 2003;4(1):86.
154. de Jong K, Nugter A, Lambert MJ, Burlingame GM. The Outcome Questionnaire OQ-45.2 Manual [Handleiding voor afname en scoring van de Outcome Questionnaire OQ-45.2]. Salt Lake City: OQ Measures LLC, 2008.
155. IBM SPSS Statistics for Windows, Version 23.0 [Internet]. Armonk, NY: IBM Corp. 2015.
156. Bates D, Mächler M, Bolker B, Walker S. Fitting linear mixed-effects models using lme4. *arXiv preprint arXiv:14065823.* 2014.
157. Christensen RHB. Regression Models for Ordinal Data [R package ordinal version 2015.6-28]. 2016.
158. Team RC. R: A language and environment for statistical computing. Vienna, Austria: R Foundation for Statistical Computing; 2016. Available from: <https://www.R-project.org/>.
159. Gleacher AA, Olin SS, Nadeem E, Pollock M, Ringle V, Bickman L, et al. Implementing a Measurement Feedback System in Community Mental Health Clinics: A Case Study of Multilevel Barriers and Facilitators. *Adm Policy Ment Health.* 2016;43(3):426-40.
160. Schut E, Sorbe S, Hoj J. Health Care Reform and Long-Term Care in the Netherlands. OECD Economics Department Working Papers, No. 1010, OECD Publishing, 2013.

161. Murray E, Burns J, May C, Finch T, O'Donnell C, Wallace P, et al. Why is it difficult to implement e-health initiatives? A qualitative study. *Implement Sci.* 2011;6:6.
162. Briggs A. Economic evaluation and clinical trials: size matters. *BMJ.* 2000;321(7273):1362-3.
163. O'Sullivan AK, Thompson D, Drummond MF. Collection of health-economic data alongside clinical trials: is there a future for piggyback evaluations? *Value Health.* 2005;8(1):67-79.
164. McKenzie K, Whitley R, Weich S. Social capital and mental health. *Br J Psychiatry.* 2002;181:280-3.
165. Thoits PA. Mechanisms linking social ties and support to physical and mental health. *Journal of health and social behavior.* 2011;52(2):145-61.
166. van de Ven WP, Schut FT. Universal mandatory health insurance in the Netherlands: a model for the United States? *Health Aff (Millwood).* 2008;27(3):771-81.
167. Becker AE, Kleinman A. Mental health and the global agenda. *N Engl J Med.* 2013;369(1):66-73.
168. Nederland P, Ieder[in], GGz/MIND LP. Verkiezingen 2017. De ervaringen van patiënten en cliënten in de zorg en hulpverlening gedurende de afgelopen 4 jaar en hun inbreng voor de komende kabinetperiode. Utrecht: 2017.
169. Jacka FN, Reavley NJ, Jorm AF, Toumbourou JW, Lewis AJ, Berk M. Prevention of common mental disorders: what can we learn from those who have gone before and where do we go next? *Aust N Z J Psychiatry.* 2013;47(10):920-9.
170. Lambert MJ. Outcome in psychotherapy: the past and important advances. *Psychotherapy (Chic).* 2013;50(1):42-51.
171. Bao Y, Druss BG, Jung HY, Chan YF, Unutzer J. Unpacking Collaborative Care for Depression: Examining Two Essential Tasks for Implementation. *Psychiatr Serv.* 2016;67(4):418-24.
172. Van den Broeck K, Remmen R, Vanmeerbeek M, Destoop M, Dom G. Collaborative care regarding major depressed patients: A review of guidelines and current practices. *J Affect Disord.* 2016;200:189-203.
173. Chekroud AM, Zotti RJ, Shehzad Z, Gueorguieva R, Johnson MK, Trivedi MH, et al. Cross-trial prediction of treatment outcome in depression: a machine learning approach. *Lancet Psychiatry.* 2016;3(3):243-50.
174. Weber GM, Mandl KD, Kohane IS. Finding the missing link for big biomedical data. *JAMA.* 2014;311(24):2479-80.
175. Wylie JE, Mineau GP. Biomedical databases: protecting privacy and promoting research. *Trends in biotechnology.* 2003;21(3):113-6.

List of Publications

This thesis

Van Orden, M., Hoffman, T., Haffmans, J., Spinhoven, P., & Hoencamp, E. (2009). Collaborative mental health care versus care as usual in a primary care setting: a randomized controlled trial. *Psychiatric Services*, 60(1), 74-79.

van Orden, M. L., Deen, M. L., Spinhoven, P., Haffmans, J., & Hoencamp, E. (2015). Five-year mental health care use by patients referred to collaborative care or to specialized care. *Psychiatric Services*, 66(8), 840-844.

van Orden, M., Leone, S., Haffmans, J., Spinhoven, P., & Hoencamp, E. (2017). Prediction of mental health services use one year after regular referral to specialized care versus referral to stepped collaborative care. *Community mental health journal*, 53(3), 316-323.

van Orden, M.L., Deen, M.L., Stant, A.D, Spinhoven, P., Haffmans, P.M.J. & Hoencamp, E. (submitted). Cost-effectiveness of collaborative care versus specialized care for common mental disorders.

van Orden, M.L., Deen, M.L., Spinhoven P., Tiemens, B.G, Haffmans, P.M.J.& Hoencamp, E. (submitted). The association of implementation factors with the uptake and utilization of blended collaborative mental health care: the importance of the organizational structure.

Other papers

Van Orden, M. L. (2002) Project 'Samenwerking huisartsen – GGZ Den Haag'. Een eerste evaluatie. *Epidemiologisch bulletin*, 37(2).

Van Orden, M.L., Roosenschoon, B., Polman, A. (2014) Onbewust bekwaam – Richtlijnengebruik getoetst. *Maandblad Geestelijke Volksgezondheid*, 69(06); 19-21.

van Orden, M., Smit, R., Velders, E., van de Ven, M., Vranckx, G., & van Weeghel, J. (2016). Uit het sociale isolement – De integratie van een sociale trainingstool in de reguliere zorg voor cliënten met ernstige psychiatrische aandoeningen. *Participatie en Herstel*; Vol. 2016, No. 1.

van Mens, K., Lokkerbol, J., Janssen, R., van Orden, M., Kloos, M., Tiemens, B. (submitted). A cost-utility analysis to evaluate a system change in mental healthcare in the Netherlands for patients with depression or anxiety.

Van Orden, M., den Hollander, N. (submitted). Herstelgerichte ‘blended’ cognitieve gedragstherapie voor cliënten met verslavingsproblematiek: kansen en uitdagingen.

Curriculum Vitae

Mirjam van Orden was born on the 13th of August 1976 in Leonberg, Germany. She completed her pre-university education in 1996 at the Hedwig-Dohm-Gymnasium in Stuttgart, Germany, and moved to the Netherlands to study psychology at the University of Amsterdam. She received her Master in 2001. She did a combined clinical/research internship at Parnassia in The Hague. She completed the research internship at the Parnassia Research Centre, where she participated in various ongoing studies, among which the evaluation of an outpatient treatment program for depressed patients. She completed her clinical internship at Parnassia's outpatient center.

Mirjam started her career in 2000 at the Parnassia Groep as a researcher and trainer. Since then she is involved in ongoing studies to investigate the feasibility, implementation and expediency of the collaborative care program and other research projects aimed to investigate and improve feasibility and quality of mental health care. Besides her research work she was involved with Routine Outcome Monitoring as a project manager (2009-2016) and a research coordinator of Indigo Parnassia Groep, a department of the Parnassia Groep, that provides mental health care in collaboration with general practitioners (2011-2016). In addition to her research work, she was a trainer in the Mini International Neuropsychiatric Interview from 2004 until 2015.

Currently, she works as a staff member for the Parnassia Academy and her main research focus is on the implementation and evaluation of digital care innovation.

Mirjam is married and has a son and a daughter.

Dankwoord

“Gut Ding will Weile haben” zouden ze in Duitsland zeggen. Het heeft me behoorlijk wat jaren gekost om dit proefschrift te voltooien. Op sommige momenten twijfelde ik zelfs of het ooit nog wel zou afkomen. Dan leek die spreekwoordelijke berg (werk) zo hoog en onbeklimbaar. Bijna onwerkelijk, maar oh zo goed voelde het dat je ineens kon zeggen dat je bezig bent met het schrijven van de inleiding de discussie, dat het manuscript af is en bij de leescommissie ligt, dat de leescommissie het manuscript positief heeft beoordeeld en uiteindelijk dat er een datum is.

“Gut Ding will Weile haben” Is dat altijd wel waar? Ik denk van niet. Het onderwerp van het proefschrift ‘Collaborative mental health care. Changing the landscape of mental health care?’ geeft wel aan dat er tijd voor nodig is om een landschap te zien veranderen en in kaart te brengen. Maar bij het werken aan dit proefschrift schoot ik soms door omstandigheden maar ook mijn eigen grenzen gewoon niet voldoende op. Inhoudelijk was het Huisartsenproject (HAP), later Huisartsenprogramma (ook HAP) dat vervolgens onderdeel werd van Indigo, een goede ontwikkeling. Het idee en de uitvoering klopten gewoon. Professionele hulpverlening in de leefomgeving van de cliënt in de vertrouwde omgeving van de huisarts, zonder wachttijden, geen drempels.

Felix Olthuis en Erik Hoencamp, de bedenkers van het oorspronkelijke Huisartsenproject, hebben mij op voordracht van Judith Haffmans het vertrouwen en de kans gegeven om het eerste evaluatieonderzoek van het Huisartsenprogramma uit te voeren en na afloop daarvan om door te gaan met dit promotieonderzoek. Veel huisartsen uit de Haagse regio waren enthousiast om aan het HAP deel te nemen. Daarvan hebben 27 de moeite genomen om te participeren in en bij te dragen aan de dataverzameling voor dit promotieonderzoek. Collega’s van het HAP en later Indigo en hun management, directie en stafmedewerkers, die ervoor hebben gezorgd en er nog steeds voor zorgen, dat cliënten (bewezen) goede zorg krijgen. En uiteraard alle cliënten, die hebben geïnvolviseerd in dit onderzoek en bereid waren om mij en mijn onderzoeksassistente een jaar lang regelmatig te woord te staan en vragenlijsten in te vullen.

Een onderzoek voer je niet in je eentje uit. Promotoren Erik Hoencamp, Philip Spinhover en co-promotor Judith Haffmans, met jullie specifieke deskundigheid, wederzijds respect en door jullie onaflatende steun en motivatie hebben jullie voor een belangrijk deel bijgedragen aan dit resultaat. Samen met mijn onderzoeksassistente Leonie Dijkhuizen heb ik destijs 165 deelnemers aan het onderzoek geïnterviewd. We waren in die tijd veel op pad en hebben veel indrukken opgedaan. Fijn dat je mijn paranim wilde zijn, Leonie. Zonder de ondersteuning van eerst Tonko Hoffman en naderhand Mathijs Deen was de statistiek een nog grotere opgave geweest dan dat ze nu al was.

Al die jaren dat ik onder andere aan dit proefschrift heb gewerkt, heb ik geweldige collega's om me heen gehad bij de Parnassia Groep, onder andere op de afdeling Wetenschappelijk onderzoek, het HAP en Indigo Zorgservice, en het team specialisme-ondersteuning. Collega's, die je inspireren, waarmee je kunt samenwerken, waarvan je kunt leren, die je steunen, waarmee je zowel de vreugdevolle als de verdrietige momenten kunt delen. Verdrietige momenten hebben we gedeeld om Frans Vermeulen, Wim Dijken, Geert de Redelijkheid en Annelies de Sain, bijzondere collega's, die helaas veel te vroeg zijn overleden. Eén van de vele collega's, waarvan ik sinds het begin van mijn carrière veel inspiratie en steun heb ontvangen is Cokky van der Venne. Fijn dat je mijn paranimf wilde zijn, Cokky.

Al deze bovengenoemde met naam of niet met naam genoemde collega's wil ik van harte bedanken voor hun bijdrage (direct of indirect) aan dit proefschrift.

Last but not least, ik ben ervan overtuigd dat dit proefschrift niet tot een succesvol einde was gekomen als er geen goede balans was geweest tussen werk en privé. Voor deze balans hebben jullie, familie, vrienden, maar vooral natuurlijk Tuncay, Sinan en Hannah gezorgd. Belangrijk om te weten en te ervaren dat je de ruimte krijgt van fijne mensen om je heen om jezelf te zijn en tot jezelf te komen en het werk even het werk te laten zijn.

“Gut ding will Weile haben.” In dit geval klopt het, vind ik.

