

Mental Disorders and Chronic Somatic Diseases

Kurzbeschreibung

Mental distress and disorders in people with chronic physical diseases are frequent and associated with negative aspects such as increased mortality and morbidity, low quality of life and treatment adherence as well as increased direct and indirect health care costs. From an etiological perspective, different causal assumptions can be differentiated to explain the temporal association of physical and mental disorders. In this context, it is important to counteract the simplification of mental disorders as simple adjustment problems, a view sometimes present in somatic health care settings. The etiology is complex, the association potentially bi-directional and partly linked to shared genetic and biological preconditions.

In view of the high prevalence rates and the clinical significant consequences, there is a need for adequate psychodiagnostics as well as prevention and treatment approaches for mental disorders in people with chronic physical diseases. First of all, the presence of comorbidity should be adequately diagnosed. However, it is estimated that only half of

all co-morbid mental health problems are diagnosed, and again only a proportion of these diagnoses are valid. Psychodiagnostic challenges are numerous regarding psychometric parameters, but also with regard to the implementation of psychodiagnostic routine in somatic medicine settings.

With regard to the prevention and treatment of combined mental disorders, the focus is on the effectiveness and cost-effectiveness of established approaches such as psychotherapeutic and psychopharmacological interventions in this specific subpopulation as well as the development and testing of innovative approaches. The latter includes not least digital health applications, but also the development and evaluation of collaborative treatment methods such as integrated care or disease management programmes.

The Department of Clinical Psychology and Psychotherapy pursues epidemiological, etiological, psychodiagnostic and interventional research questions in the context of somato-mental comorbidities as one of its main research topics.

Project Team

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Collaborating Partners

Compare selected publications below for an overview of national and international collaborating partners.

Grants

Several own funded and third party funded projects

Duration and Funding

Laufzeit: 2001 – fortlaufend

Publications

Publications of the department:

<https://www.uni-ulm.de/en/in/psy-klips/publications/>

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Publications (selection)

Epidemiology and Etiology / Overview

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- Baumeister, H., Knecht, A. & Hutter, N. (2012). Direct and indirect costs in persons with chronic back pain and comorbid mental disorders—a systematic review. *Journal of psychosomatic research*, 73, 79–85.
- Haschke, A., Hutter, N. & Baumeister, H. (2012). Indirect costs in patients with coronary artery disease and mental disorders: a systematic review and meta-analysis. *International journal of occupational medicine and environmental health*, 25, 319–329.
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- Baumeister, H., Kury, S. & Bengel, J. (2011). Somato-psychische Komorbidität: Definition und Verständnis. *Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz*, 54, 9–14.
- Hutter, N., Knecht, A. & Baumeister, H. (2011). Health care costs in persons with asthma and comorbid mental disorders: a systematic review. *General hospital psychiatry*, 33, 443–453.
- Baumeister, H., Kriston, L., Bengel, J. & Härter, M. (2010). High agreement of self-report and physician-diagnosed somatic conditions yields limited bias in examining mental-physical comorbidity. *Journal of clinical epidemiology*, 63, 558–565.
- Hutter, N., Schnurr, A. & Baumeister, H. (2010). Healthcare costs in patients with diabetes mellitus and comorbid mental disorders - a systematic review. *Diabetologia*, 53, 2470–2479.
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Publications (selection)

Psychodiagnostics

- Kallinger, S.M., Scharm, H., Boecker, M., Forkmann, T., Baumeister, H. (2019). Calibration of an item bank in 474 orthopedic patients using Rasch analysis for computer-adaptive assessment of anxiety. *Clinical Rehabilitation*, 33, 1468-1478.
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- Tully, P. J., Baumeister, H., Bennetts, J. S., Rice, G. D. & Baker, R. A. (2016). Depression screening after cardiac surgery: A six month longitudinal follow up for cardiac events, hospital readmissions, quality of life and mental health. *International journal of cardiology*, 206, 44–50.
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Interventions

- Lunkenheimer, F., Domhardt, M., Geirhos, A., Kilian, R., Mueller-Stierlin, A.S., Holl, R.W., Meissner, T., Minden, K., Moshagen, M., Ranz, R., Sachser, C., Staab, D., Warschburger, P., Baumeister, H. (2020). Effectiveness and cost-effectiveness of guided Internet- and mobile-based CBT for adolescents and young adults with chronic somatic conditions and comorbid depression and anxiety symptoms (youthCOACHCD): study protocol for a multicentre randomized controlled trial. *Trials*, 21, 253.
- Sander, L.B., Paganini, S., Terhorst, Y., Schlicker, S., Lin, J., Spanhel, K., Buntrock, C., Ebert, D.D., Baumeister, H. (2020). Effectiveness of a Guided Web-Based Self-help Intervention to Prevent Depression in Patients With Persistent Back Pain: The PROD-BP Randomized Clinical Trial. *JAMA Psychiatry*, e201021.
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- Bauereiß, N., Obermaier, S., Özünal, S. E., Baumeister, H. (2018). Effects of existential interventions on spiritual, psychological and physical well-being in adult patients with cancer: systematic review and meta-analysis of randomized controlled trials. *Psycho-Oncology*, 27, 2531-2545.
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- Reinauer, C., Viernann, R., Förtsch, K., Linderskamp, H., Warschburger, P., Holl, R.W., Staab, D., Minden, K., Muche, R., Domhardt, M., Baumeister, H., Meissner, T. (2018). Motivational Interviewing as a tool to enhance access to mental health treatment in adolescents with chronic medical conditions and need for psychological support (COACH-MI): study protocol for a clusterrandomised controlled trial. *Trials*, 19, 629.
- Baumeister, H., Lin, J. & Ebert, D. D. (2017). Internet- und mobilebasierte Ansätze. Psychosoziale Diagnostik und Behandlung in der medizinischen Rehabilitation. *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz*, 60, 436-444.
- Ebert, D.D., Nobis, S., Lehr, D., Baumeister, H., Riper, H., Kessler, R., Snoek, F. & Berking, M. (2017). 6-months effectiveness of Internet-based guided self-help for depression in adults with type 1 and 2 diabetes mellitus: Results of a randomized controlled trial. *Diabetic Medicine*, 34, 99-107.
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- Baumeister, H., Terhorst, Y. & Lin, J. (2016). The Internet and Mobile technology: a platform for behavior change and intervention in depression and CVDs. Baune, B. T. & Tully, P. (Ed.): *Cardiovascular Diseases and Depression - Treatment and Prevention in Psychocardiology* (pp. 395-410). Berlin: Springer.
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