

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 1 | 1ste auteur publicatie (jaar) | mate van bewijs | type onderzoek | populatie | cases | controls | uitkomst-maat | resultaten | conclusie | opmerkingen | | |
| 2 | Uitgangsvraag 1. Welke werkgebonden factoren veroorzaken depressie? | | | | | | | | | | | |
| 3 | Theorell in press | A1 | 2013 | systematic review van N=59 (N=19 high-quality; cohort- of population based nested case control-) onderzoeken, median follow-upduur 3 jaar; search 1990 - mei 2013 | werkenden in Finland (N=11), Denemarken (11), VS (8), Canada (7), Nederland (5), VK (5), Zweden (4), België (3), Frankrijk (3) en Italië (1) | with depressive symptoms N=19; n= | no depressive symptoms n=158.251; N studies | work related risk factor | | quality of evidence according to GRADE | | |
| 4 | | | | | | 53.985 | 10 | high psychological demands | | low; limited confidence | hoge psychische belasting | |
| 5 | | | | | | 197.682 | 14 | job strain (high demands & low decision latitude) | | moderate | werkstress (hoge taakeisen i.c.m. weinig beslissingsruimte of regelbaarheid) | |
| 6 | | | | | | 11.419 | 2 | passive work | | low; limited confidence | passieve werktaken | |
| 7 | | | | | | 34.554 | 5 | time pressure | | low; limited confidence | werkdruk | |
| 8 | | | | | | 27.136 | 3 | imbalance effort-rewards | | low; limited confidence | disbalans geleverde inspanning vs. ontvangen beloning | |
| 9 | | | | | | 50.935 | 8 | low social support from supervisor | | low; limited confidence | weinig sociale steun van werkgever | |
| 10 | | | | | | 82.772 | 17 | low work social support | | low; limited confidence | weinig sociale steun op het werk | |
| 11 | | | | | | 27.170 | 6 | low social support from co-workers | | low; limited confidence | weinig sociale steun van collega's | |
| 12 | | | | | | 9.242 | 2 | unfavorable team climate | | low; limited confidence | slechte werksfeer | |
| 13 | | | | | | 59.340 | 2 | unfavorable social capital at work | | low; limited confidence | gering sociaal kapitaal | |
| 14 | | | | | | 33.589 | 5 | percieved social or distributive injustice | | low; limited confidence | ervaren onrechtvaardigheid | |
| 15 | | | | | | 33.589 | 5 | procedural injustice; | | low; limited confidence | sociale onrechtvaardigheid; procedureel | |
| 16 | | | | | | 30.761 | 3 | relational injustice | | low; limited confidence | sociale onrechtvaardigheid; relationeel | |
| 17 | | | | | | 13.732 | 3 | conflicts | | low; limited confidence | conflicten | |
| 18 | | | | | | 9.692 | 2 | with superiors | | low; limited confidence | met superieuren | |
| 19 | | | | | | 9.692 | 2 | with co-workers | | low; limited confidence | met collega's | |
| 20 | | | | | | 15.173 | 3 | bullying | | moderate | gepest worden | |
| 21 | | | | | | 15.382 | 4 | little opportunity for personal development | | low; limited confidence | geringe ontwikkelingsmogelijkheden | |
| 22 | | | | | | 24.833 | 7 | job insecurity | | low; limited confidence | baanonzekerheid | |
| 23 | | | | | | 13.107 | 6 | high number of weekly working hours / overtime | | low; limited confidence | lange werkdagen/weken | |
| 24 | | | | | x | x | | lange opsomming (in het Engels) van risicofactoren waarvoor in het SR onvoldoende evidence werd gevonden | | very low; no evidence | | |
| 25 | Beseler 2008 | B | | case control study with adequate adjustment for covariates | USA farmers from Agricultural Health Study, recruited 1998-1997, year of information collection not specified | n=534; self-report of depression (physician-diagnosed, that required medication and/or "shock therapy") | n=17.051; no self-report of depression | self-report of exposure i.e. life time use of 50 pesticides, and exposure to solvents and heavy metals; multiple logistic regression analysis of cumulative exposure levels for the totals sample adjusted for covariates (only significant results for most adjusted model) | | * significant OR; ** significant OR>2 | study selected by Theorell; study quality according to GRADE: moderate | |
| 26 | | | | | | | | 1.37 (1.11 - 1.69) | exposure to solvents other than gasoline | | * aannemelijk verband tussen blootstelling aan oplosmiddelen en ontstaan van depressie | |
| 27 | | | | | | | | 1.11 (0.87 - 1.42) | life time days of pesticide exposure >752 | | * aanwijzingen voor een verband tussen blootstelling aan pesticiden en depressie | |
| 28 | | | | | | | | 2.57 (1.74 - 3.79) | diagnosed with pesticide poisoning | | ** zeer aannemelijk verband tussen ooit pesticidevergiftiging en ontstaan van depressie | |

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| 29 | | | | | | | 2.05 (0.76 - 5.54) | ever used herbicides | onduidelijk verband tussen (ooit) gebruiken van herbiciden en depressie | | | |
| 30 | | | | | | | 2.05 (1.29 - 3.27) | ever used insecticides | ** zeer aannemelijk verband tussen het ooit gebruiken van insecticiden en depressie | | | |
| 31 | | | | | | | 1.24 (1.01 - 1.53) | ever used fungicides | * aannemelijk verband tussen ooit gebruiken van fungicide en het krijgen van depressie | | | |
| 32 | | | | | | | ? | heavy metals | | | | |
| 33 | Aydin 2003 | | | | | | | | | depressieve klachten als gevolg van blootstelling aan kwik sluit per definitie de diagnose MDD uit | | |
| 34 | Langford 1999 | | | | | | | | | depressieve klachten als gevolg van blootstelling aan kwik sluit per definitie de diagnose MDD uit | | |
| 35 | Morrow 2000 | | | | | | | | | depressieve klachten als gevolg van blootstelling aan organische oplosmiddelen sluit per definitie de diagnose MDD uit | | |
| 36 | Reif 2003 | | | | | | | | | depressieve klachten als gevolg van blootstelling aan organische oplosmiddelen sluit per definitie de diagnose MDD uit | | |

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| Uitgangsvraag 2: Welke belemmeringen ervaren werkenden met een depressieve stoornis? Welke mogelijkheden en oplossingen zien zij? | | | | | | | |
| Milward, 2005 | +/- | kwalitatief | 19 wkn | RTW interview | verschillende rollen | ziekterol, indentiteit | Gestructureerde interviews bij wkn met depress |
| Sallis, 2013 | | kwalitatief | 7 wkn | Interview | 3 thema's: interactie depressie en werk, ziektegedrag, orgnisatie en epressie | | |

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Uitgangsvraag 3: Welke beperkingen in het functioneren in een arbeidssituatie zijn bij patiënten met een depressie te verwachten? Hoe kunnen de arbeidsbelastbaarheid en de arbeidsmogelijkheden van werkenden met een depressieve stoornis - betrouwbaar, valide, transparant en aanvaardbaar - worden vastgesteld?

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|-------------|---|---|---|--|--|---------------|--|--|--|--|--|
| Mintz 1998 | A | ge-integreerde meta-analyse | | | | Hamilton, BDI | affectieve beperkingen (distress, interesseverlies, onvrede met het werk); functionele beperkingen (verzuim, productiviteits-verlies, conflicten) work performance / presenteeism (moeite met time management, - interpersoonlijk werkeisen, - met "output tasks") | | | affectieve beperkingen zijn meer (eerder en langer) aanwezig, ongeacht de ernst van de depressieve klachten; werkhervatting hoeft niet te wachten alle symptomen in remissie zijn; work performance* van patiënten met depressie is slechter dan die van RA-patiënten, (* timemanagement, mentale taakeisen, interpersoonlijke werkeisen, "output tasks" | |
| Lerner 2004 | B | prospectief cohortonderzoek; 18 mnd follow-up | employees without intention to stop working | | | | | | | werkende patiënten in de eerste lijn met depressie ervaren significant ernstigere beperkingen in time-mangement, mentale en interpersoonlijke werktaken en output tasks dan werkende patiënten met RA of geen depressie gap in knowledge about factors that affect succesful functioning in general and work in particular | |
| Adler 2006 | C | observatieel, longitudinaal onderzoek kwalitatief, beschrijvend | werkende patiënten in de eerste lijn | | | | affectieve beperkingen (distress, interesseverlies onvrede met het werk) | | | | |
| Dewa 2013 | D | onderzoek | clinicians' | | | experiences | work disability assessment | | | | |

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Arbeidsbeperkingen met betrekking tot rijgeschiktheid

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|----------------|---|-----|--|--|-----------------------------------|---|--|--|--|
| Brunnauer 2006 | C | | n=100 in-patients who met the DSM-IV criteria for MDD prior to discharge; Jan 2004 - March 2005; Germany | | | clinically relevant psychomotor function related to car-driving abilities (reactivity, stress tolerance, selective attention) | 16% severe impairment (unfit to drive); 60% mild to moderate (indication for individual counseling taking into account compensational factors); 24% without clinically relevant disturbances | with SSRI and mirtazipine better test performances than TCA; no difference between venlafaxine and TCA | |
| Brunnauer 2008 | B | RCT | n=40 patients with DSM-IV-TR MDD prior to discharge; June 2004 - June 2006; Germany | Act and React Testsystem ART-90, and Wiener testsystem | n=20 reboxetine; n=20 mirtazipine | visual perception, reactivity, stress tolerance, concentration, and vigilance | | no significant differences between treatment groups; improved driving ability skills - after 14 days of pharmacotherapy treatment selective attention and reactivity, lower frequency of accidents in risk simulations | |
| Ramaekers 2003 | B | | SR of 9 crossover placebo-controlled studies and 1 double-blind baseline-controlled study | | | vehicular "weaving" (SD of lateral position during 1 hour in normal traffic) | changes in SDLP after acute doses of sedating antidepressants comparable to those seen in drivers with blood alcohol concentration of 0.8 mg/mL or more, after one week of treatment performance returned to normal. | | |

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|----------------------------------|-----------------------|--|--|--|--|---|---|---|-------------|
| Wingen 2005 | B | RCT double blind 3-way cross-over | | Road Tracking Test with assessment of SDLP after 2, 9 and 15 days of treatment | n=18 evening dose escitalopram 10mg, mirtazipine 30mg, or placebo | | | subjects with mirtazipine perform less well on driving test as compared to placebo during acute treatment period but not aon days 9 and 16 of treatment | |
| Bulmash 2006 | C | open trial | n=18 outpatient with MDD; n=29 controls; Canada n=28 MDD patients (DSM-IV) university hospital, Ontario , Canada; n=14 mirtazipine 30mg a.n. during 30 days; June 2005 to January 2006 | 30-min simulated driving performance; Epworth Sleepiness Scale computerized driving simulator test and Maintenance of Wakefulness Test at baseline, days 2, 9, 16, and 30 | | steering reaction time, and number of crashes | after correction for age and sleepinesss, patients with MDD showed significant lower steering reactions and a increased number of crashes compared to controls | | |
| Shen 2009 | | open trial | | | | road position and fewer crashes, no improvement in control group | | linear improvement on road position and fewer crashes, no improvement in control group | |
| Brunnauer 2015 | B | RCT | n=20 depressive inpatients with agomelatine; n=20 inpatients with venlafaxine; n=20 healthy subjects; Germany | psychomotor tests (reactivity and stress- tolrance) at baseline, day 14 and 28, plus on-road driving test by licensed instructor | | steering reaction time, and number of crashes | no difference between treatment groups; improved psychomotor skills at day 28, however not reaching the performace level of healthy subjects; 72.5% labeled fit to drive | | |
| LESA (NHG+) rijgeschiktheid | A1 | | | | | | | | |
| NVP 2014 | A1 | EBM richtlijn Adviesnota Rijgeschiktheid | | | | | | | |

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| Trimbos, 2013 | 1 | | | nvt | nvt | nvt | Richtlijn | Multidisciplinaire Richtlijn | Nationaal gebruikt |
| DSM-V | 1 | verzameld expert o | nvt | nvt | nvt | nvt | Manual | Diagnostisch standaard werk | Internationaal gebruikt internationaal gebruikt, pragmatisch |
| Allen Francis | 4 | expert opnion | | nvt | nvt | nvt | nvt | Leerboek diagnostiek psychiatrie | |
| Feico Zwerver | 4 | RCT | 40 verzekeringsartse | Performance Indicator VA, PI, | | PI-scores | Training in toepassen | Ontwikkelde implementatiestrategie | Context UWV |
| G. De Vries 2012 | 4 | kwalitatief | 41 wkn,BA, leidingg. | concept mapping, interviews | | statements | 3 clusters:Persoon, w | per cluster aanbevelingen voor inter | nuttig voor uitvoering in prktijk |
| A. Hamar 2009 | 3 | review | artikelen | | | artikelen | acute en lange termijn depressie is geassocieerd met cognitieve beperkingen | | deze interventie slaat brug tussen |
| Wisenthal 2013 | 4 | expert opnion | | | | | cognitive work harder work hardening is well-established in zorg en werk | | |
| Endo 2012 | 3 | decriptive | 540 wkn | sickness abecence syst | zieketeverzuim | verzuim na RTW | Kaplan Meyer curve R | bijna helft wkn heeft recidiverend ve | wkn 8,5 jaar gevolgd |
| Koopmans 2008 | 3 | descriptive | alle ned wkn | registratie ziekteverzui | verzuimperiodes | zieketevrzuim tgv dep | KaplanMeyer gemidd | Zieketeverzuim met depressieve sym | wkn gevolgd over periode van |
| Guico_Pabia 2011 | 3 | beschrijvend | 3530 patients | HRSD voor depressie SDS voor functioneren | | HRDS score en functi | Significante relatie tus | Relatie aangetoond tussen ernst | van depressie en functioneren |
| J Spijker 2004 | 3 | beschrijvend | 6778 NEMESIS | CIDI voor depressie MOS-SF-36 voor functioneren | | scores op CIDI en MC | Na langer herstel van | Functioneel herstel blijft achter bij h | Nederlands onderzoek |
| Kruijshaar 2003 | 3 | beschrijvend | NEMESIS | CIDI voor depressie MOS-SF-36 voor functioneren | | scores op CIDI en MC | Associatie ernst depre | Relatie aangetoond tussen ernst | van Nederlands onderzoek |

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| Uitgangsvraag 4: Welke interventies hebben bewezen een effect (of géén effect) op werkfunctioneren, terugkeer in werk of instroom in arbeidsongeschiktheidsregelingen? | | | | | | | | | |
| interventies voor het ontstaan van depressie (preventie) | | | | | | | | | |
| Gereardts 2014ab | B | RCT | n= niet verzuimende werknemers van 5 grote Nederlandse bedrijven met depressieve klachten | web-based guided self-help | | depressive symptoms, work functioning assessed by Health and Work Performance Questionnaire short- and long-term | short term: long term: | no difference | |
| interventies ná het ontstaan van depressie | | | | | | | | | |
| systematic reviews | | | | | | | | | |
| Furlan 2010 | A1 | SR of N=12; 10 RCT + 2 non-RCT | working age individuals with mild or moderate depression various countries | workplace-based interventions that could be implemented and/or facilitated by the employer | no intervention OR care as usual | work outcomes | short term: long term: | as all evidence was graded as very low no intervention can be recommended | quality of evidence according to GRADE very low |
| Nieuwenhuijsen 2014 | A1 | SR of (c)RCTs | werkenden met depressie(ve klachten) | | | absenteeïsm work functioning | SMD (±95%CI) | | quality of evidence GRADE |
| interventies gericht op de werkplek | | | | | | | | | |
| Nieuwenhuijsen 2014 | A1 | RCTs (3) | n=251 workers with MDD, 3 studies; multicomponent work-directed program (1), and adjuvant occupational therapy (2) | work-directed plus clinical | clinical intervention alone | days of sickness absence work functioning | medium term (follow-up 3-8 mo.) SMD -0.40 (95%CI: -0.66 - -0.14) SMD -0.31 (95%CI: -0.79 - 0.16) | moderate effect size | moderate downgrade 1 level |
| Lerner 2012 | A2 | RCT | n=79 (72 completed) employees with MDD and/or dysthymia, WLQ productivity loss ≥5% in past 2 weeks and age 18 to 62 years; recruitment 6 months, follow-up 4 months. Workplace setting State Government Maine, USA | n=52 (47 completed); multicomponent work-focused program ; Work and Health Initiative intervention provided over the phone by EAP counsellors ≥8-weeks program with 1-hour sessions every 2 weeks; with work coaching and modification, care coordination, and cognitive-behavioral strategies (co-creation of care plan for dealing with functional problems, reviewing specific assignments and progress at each session). Electronic feedback on depression and advise to seek care | n=27 (25 completed); care as usual : primary care, specialty care, behavioral health programs, and/or standard EAP services. Electronic feedback on depression and advise to seek care | WLQ Work Absence Module self-reported time missed from work in past 2 weeks because of health or medical care WLQ; 4 dimensions of performance | SMD -0.66 (95%CI: -1.15 - -0.16) SMD -0.58 (95%CI: -1.08 - -0.09) | significant less days off work in medium-term with multi-component work-focused program | high risk of performance and detection bias; loss-to-follow-up intervention group 9.6% moderate QoE acc. to GRADE (together with Hees 2013, and Schene 2006) |

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| Hees 2013 | A2 | RCT | n=117 out-patients with MDD (DSM-IV) ≥3 months, or absent from work for ≥8 weeks, and ≥25% contract hours due to depression, with work, substantially (>25%) contributing to depression, reducing productivity, or hindering RtW; age 18 to 65 years; recruitment December 2007 - October 2009, follow-up 18 months. Academic psychiatric practice in Amsterdam, Netherlands | n=39 (34 completed); adjunct occupational therapy (OT) i.e. 18 sessions (9 individual, 8 group sessions and 1 with the employer) with 2 experienced occupational therapists; including psycho education, supportive therapy and cognitive behavioural interventions (supervised by an experienced senior psychiatrist) plus frequent communication with occupational physician and treating resident psychiatrist (employees ≥2 hours/week at work at start OT), if needed pharmacotherapy according to protocolised algorithm | n=78 (66 completed); care as usual i.e. 19 visits including psycho education, supportive therapy and cognitive behavioural interventions (supervised by an experienced senior psychiatrist), if needed pharmacotherapy according to protocolised algorithm | average number of hours of absenteeism over each 6-months period; sick leave duration due to depression - from start of treatment until partial (increment of ≥5 hours during ≥4 weeks) and/or full contract hours) RtW <i>self-report records of work efficiency (2-point scale), and on 3 WLQ subscales (output, time management, and mental-interpersonal)</i> | medium term (follow-up 3-8 mo.) SMD -0.09 (95%CI: -0.48 - -0.29) long term (follow-up 18 mo.) SMD -0.25 (95%CI: -0.63 - -0.14) | high risk of performance and detection bias; loss-to-follow-up intervention group 13% moderate QoE acc. to GRADE (together with Lerner 2012, and Schene 2006) | |
| Schene 2006 | A2 | RCT | n=62 MDD out-patients (regular referrals, also from OPs; DSM-IV, BDIscore >15), or absent from work for >10 weeks, < 2 years, and clinically estimated contribution of work to the onset and/or continuation of depression of >50%; age > 18 years; recruitment ?? 200? - ?? 200?, follow-up 42 months. Academic psychiatric practice in Amsterdam, Netherlands | n=30; adjunct occupational therapy (OT) i.e. 4-week diagnostic phase (5 visits with occupational history, video observation in a role-played work situation, contact with OP, and written plan for work reintegration), 24-week therapeutic phase with 12 individual sessions (preparation of work reintegration, contacting the work place en if possible starting to work), weekly 2-hour group sessions [8-10 patients] with elaboration of individual issues and theme discussions [being passive, stress on work place, personal bounds and limits, powerful and powerless, perfectionism, conflicts and prevention] | n=32; treatment as usual according to APA Guideline and antidepressants if indicated and accepted by patients, according to standardized stepwise drug treatment regimen or algorithm | total number of hours worked during 6-months periods, up to 42 month; time from t1 to partial or full return to work | together with Hees 2013; medium term (follow-up 3-8 mo.) SMD -0.30 (95%CI: -0.61 - 0.01) long term (follow-up 18 mo.) SMD -0.19 (95%CI: -0.49 - 0.12) | non-significant small differences between groups | high risk of performance, detection, and attrition bias; loss to follow up 20% in intervention and 25% in control group at 24 weeks moderate QoE acc. to GRADE (together with Hees 2013, and Lerner 2012) |
| Nieuwenhuijsen 2014 | A2 | RCT (1) | n=126 workers with high level depressive complaints | work-directed plus clinical | work-directed care alone | days of sickness absence | SMD -0.14 (95%CI: -0.49 - 0.21) | not significantly fewer days off work with collaborative care | moderate downgrade 1 level |
| Vlasveld 2013 | A2 | RCT | n=139 (126 completed) workers on 4 tot 12 weeks sickness absence diagnosed by OP as due to a mental disorder, with high score on PHQ depression subscale, and who subsequently met DSM-IV criteria for MDD with MINInterview administered by telephone. 22-months recruitment period, 12-months follow up; large occupational health service (ArboNed) in the Netherlands | n=69 (65 completed); work-directed plus clinical care; collaborative care i.e. 6-12 sessions of PST aimed at teaching PS skills (focussing on cognitive restructuring, RtW, and healthy lifestyle), manual-guided self-help, a workplace intervention, and (based on patient's preferences) antidepressant medication according to treatment protocol, with ongoing supervision and psychiatric supervision to OP-casemanagers | n=70 (61 completed); work-directed care as usual by OP in occupational health care setting | primary: days until lasting (≥4 wks), and full RtW; secondary: total number of sickness absence (during 12 mo. follow-up) | prim: non-significant between treatment-group difference: 190 (SD 120) vs. 210 (SD 124) days sec: non-significant between treatment-group difference: 198 (SD 120) vs. 215 (SD 118) days | non-significant but less sickness absence with collaborative care intervention | 48.8% vs 49.2% with comorbid generalized anxiety disorder; <i>in intervention group 40/65 visited OP-CM; 5 had workplace intervention; 19 used antidepressant, for 7 patients psychiatrist consultation of OP-CM,</i> high risk of performance bias; no loss to follow up in sickness absence data moderate QoE |

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| Nieuwenhuijsen 2014 | | c-RCT (1) | n=40 workers with MDD | work-directed | alternative work-directed | days of sickness absence <i>depressive symptoms</i> | SMD 0.45 (95%CI: -0.00 - 0.91) SMD -0.18 (95%CI: -0.84 - 0.49) | later RtW in exposure-based group? Inconclusive | very low downgrade 3 levels |
| Noordik 2013 | B | cluster-RCT | n=160 workers (37 with depressive disorder DSM-IV); recruitment November 2006 - December 2007, follow-up 12 months. Occupational health care, Netherlands | n=75 (18 with depressive disorder) exposure based return to work intervention with practice guideline based occupational health care as usual, and gradual exposure in vivo to more demanding work situations structured by a hierarchy of tasks evoking increasing levels of anxiety, stress, or anger | n=85 (19 with depressive disorder) practice guideline based occupational health care as usual | time-to-full RtW (number of days from first day of sick leave to the first day of full RtW, lasting ≥28 days without recurrence of sick leave) | | | high risk of selection, performance, and attrition bias; loss to follow up 11% in depressed subgroup very low QoE acc. to GRADE |
| gezondheidszorg-interventies; farmacotherapie | | | | | | | | | |
| Fernandez 2005 | A2 | RCT | n=293; (n=163 employed) major depressive disorder patients (DSM-IV) from 44 general practices in 8 European countries | n=76 employed (11% with long-term sickness absence) SSRI escitalopram daily 10mg during first two week, at week 2 or 4 increase to 20mg/day possible at the investigator's discretion | n=87 employed (11% with long-term sickness absence) SNRI venlafaxine daily 75mg during first two weeks, at week 2 or 4 increase to 150mg/day possible at the investigator's discretion | average length of sickleave per week during 8 weeks of study; personal communication days of sick leave during the 8-weeks study period | | | high risk of attrition bias moderate QoE acc. to GRADE |
| Romeo 2004 | B | RCT | n=177 (94 employed) outpatients with depressive episode DSM-IV (checklist 17-HAM-D score >18); >18 years; recruitment from general practitioners' practices; follow up 24 weeks. Scotland, UK | n=84 (n=49 employed) SSRI paroxetine (week 1-4 20mg/day, week 5-24 optional increase to 30 mg/day at discretion of investigator) | n=93 (n=45 employed) SNRI mirtazepine (week 1-4 30mg/day, week 5-26 optional increase to 45 mg/day at discretion of investigator) | total mean days lost due to illness in 24 weeks | | | high risk of attrition bias (loss to follow up 14% and 6%) low QoE acc. to GRADE |
| Wade 2008 | B | RCT | n=295 (186 paid employment or self-employed), outpatients with MDD (DSM-IV-TR), age 18-65 years; recruited in psychiatric and primary care settings, from September 2005 to September 2006, follow up 24 months, multinational trial. | n=144 (85 paid employment or self-employed) SSRI escitalopram daily 10mg during first 2 weeks, 20mg for remaining period | n=151 (91 paid employment or self-employed) SNRI duloxetine daily for the 24 weeks | mean per patient sick leave duration in days <i>impairment assessed by the Sheehan Disability Scale</i> | | | high risk of attrition bias (loss to follow up 24.4%) low QoE acc. to GRADE |

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|--|-----------------------|-------------------|--|---|--|--|--|---|---|
| Miller 1998 | B | RCT | n=635 (451 employed) outpatient DSM-III-R chronic major depressive disorder, recruitment from referrals from physicians or mental health professionals, media advertising, and word of mouth. Age 21 to 65 years. Follow up 12 weeks. 12 outpatient centers in USA | n=426 (n=?? employed) SSRI sertaline (week 1-3 50mg/day, then weekly titration in 50mg/day increments with a max of 200mg/day | n=209 (n=?? employed) TCA imipramine (week 1 50mg/day, week 2 100mg/day, week 3 150mg/day, then weekly titration in 50mg/day increments with a max of 300mg/day | hours worked per week (12 weeks); <i>SAS work composite, and LIFE work functioning</i> | <i>SMD -0.05 (95%CI: -0.16 - 0.06)</i> | <i>no difference</i> | lost to follow up 2% low QoE acc. to GRADE |
| Fantino 2007 | A2 | RCT | n=280 (189 employed) patients with major depressive disorder patients (DSM-IV and MADRS score ≥ 30) from general or psychiatric practices in France | n=138 (n= 89 employed) SSRI escitalopram daily 10mg during first week, 20mg for remaining 7 weeks | n=142 (n= 100 employed) SSRI citalopram 20mg daily during first week, 40mg for remaining 7 weeks | days of sick leave during the 8-weeks study period | | | low risk of bias moderate QoE acc. to GRADE |
| Nieuwenhuijsen 2014 | | RCT (1) | n= 61 workers with MDD | TCA orMAO | placebo | days of sickness absence <i>work functioning</i> | <i>SMD 0.48 (95%CI: -0.05 - 1.00)</i> <i>SMD -0.58 (95%CI: -1.11 - -0.05)</i> | | GRADE quality of evidence very low ; downgrade 3 levels |
| Agosti 1991 | B | RCT | n= 61 outpatient DSM-III depressive disorder, recruitment unclear, New York, USA | n= 38 increasing dose of either TCA or MAOi (phenelzine 60-90mg/day, imipramine 200-3000mg/day, or L-deprenyl 40mg/day) during 6 weeks | n= 23 4 tot 6 placebo pills/day | hours worked in past week (at baseline and 6 weeks), <i>work functioning assessed by LIFE employment scale (semi-structured interview that tracks episodes of psychiatric functioning during the week in 5 areas) administered by the treating physician (at baseline and 6 weeks)</i> | <i>SMD 0.48 (95%CI: -0.05 - 1.00)</i> <i>SMD -0.58 (95%CI: -1.11 - -0.05)</i> | with antidepressants (non-significantly) less hours worked, <i>significant better work functioning</i> | loss-to-follow up 29.5% very low QoE acc. to GRADE |
| gezondheidszorg-interventies; psychotherapie | | | | | | | | | |
| Nieuwenhuijsen 2014 | A1 | RCT (3) | n= 326 workers with depressive disorder, 3 studies ; in a workplace setting (1,) and in primary care (2) | cognitive-behavioral therapy by telephone (1) or online (2) | no intervention OR care as usual | (follow-up 3-8 mo.) days of sickness absence <i>depressive symptoms</i> | <i>SMD -0.23 (95%CI: -0.45 - -0.01)</i> <i>SMD -0.56 (95%CI: -0.76 - -0.36)</i> | significant but small effect sizes | moderate downgrade 1 level for n<400 |

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|----------------------------------|-----------------------|-------------------|--|---|--|--|---|-----------|---|
| Bee 2010 | B | RCT | n=53 workers (n=12 with depression) absent from work with mild to moderate mental health difficulties for 8 to 90 days authorised by GP' certificate , recruitment over 10 months (HR mailed potential participants a study information pack), follow-up 3 months; workplace setting (large communication compagny),UK. | n=26 (n=5 with depression) telephone CBT , delivered over 12 weeks by one or two registered graduate mental health workers | n=27 (n=7 with depression) usual care , primary and occupational health services | self-reported actual working hours in last 4 weeks; <i>self-rated work performance and productivity</i> | | | high risk of performance and detection bias, no loss-to-follow-up in subgroup of depressed workers moderate QoE acc. to GRADE (together with Hollinghurst 2010, and McCrone 2004) |
| Hollinghurst 2010 | B | RCT | n=297 (n=180 with employment) primary care patients with new episode of depression (≥ 14 BDI12 and CIS-R positive); age 18 to 75 years; recruitment October 2005 - February 2008, follow-up 8 months. From 55 general practices in Bristol, London and Warwickshire, England. | n=149 (n=97 employed) online CBT in addition to usual care (10 sessions of 55 minutes to be completed witin 4 months) | n=148 (n=83 employed) usual care from GP while on 8-months waiting list | number of working days lost because of depression (time off work) over 8 month; <i>total SAS-score ('work outside home' not seperately reported)</i> | | | high risk of performance, detection, and attrition bias; loss-to-follow-up intervention group 50% moderate QoE acc. to GRADE (together with Bee 2010, and McCrone 2004) |
| McCrone 2004 | B | RCT | n=274 (n=170 with employment, ?? with depression) primary care patients recruited by GP waiting room screening and GP referrals (GHQ-12 ≥ 4); diagnosis (ICD) depression, mixed anxiety/depression or anxiety disorder (CIS-R ≥ 12), age 18 to 75 years, recruitment period ?, follow up 6 months. UK | n=97; computerised CBT : interactive, multimedia, feedback to patient and GP after each session, 15-minutes introductory video, 8x 50 minutes session of CBT, with homework between sessions | n=74; care as usual by GP (f. ex. medication, practical or social help, referral to counsellor, practice nurse, mental health professional) | number of days of absence from work (certified by GP) during 8 months; <i>Work and Social Adjustment Scale score</i> | | | high risk of performance, and detection bias; sick leave data were part of cost data (available for both baseline and follow-up periods in 95% of the patiens: loss-to-follow-up 5%) moderate QoE acc. to GRADE (together with Bee 2010, and Hollinghurst 2010) |
| Nieuwenhuijsen 2014 | B | RCT (1) | MDD patients, employed or student | psychodynamic therapy | solution-based therapy | days of sickness absence short / long term | SMD -0.91 (95%CI: -1.62 - -0.19) / SMD -4.61 (95%CI: -5.84 - -3.39) | | low downgrade 2 levels |

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|---|-----------------------|-------------------|---|---|---|--|--|-----------|---|
| Knekt 2013 | B | RCT | n=326 (n=263 employed or student, n=78 employed or student and with depression) outpatients from psychiatric services, 20 to 45 years and with longstanding disorder (DSM-IV anxiety or mood disorder >1 year) causing dysfunction in work ability; recruitment period June 1994 to June 2000, follow-up 5 years. Helsinki region, Finland. | n=101 (n=42 employed or student); short-term psychodynamic psychotherapy (20 weekly sessions over 5 to 6 months); n=128 (n=97 employed or student); long-term psychodynamic psychotherapy (2 to 3 times a week, for up to 3 years) | n=97 (n=60 employed or student); protocolized solution-focused therapy (brief, focal, transference-based therapy, one session every 2-3 weeks, <= 12 sessions over <= 8 months, by | number of sick-leave days during last 3 months; <i>SAS-work; the work-subscale of the social adjustment scale</i> | | | high risk of performance, detection, and attrition bias; loss-to-follow-up 39% at one year, 52% at five years low QoE acc. to GRADE |
| Nieuwenhuijsen 2014 | B | RCT (1) | n=78 CMD patients with employment and new episode of depression | CMHN | usual GP care | days of sickness absence depressive symptoms | SMD 0.22 (95%CI: -0.36 - 0.79) SMD 0.22 (95%CI: -0.31 - 0.75) | | low downgrade 2 levels |
| Kendrick 2005 | B | RCT | n=247 (n=173 with employment, n=78? with employment and depression) community mental health service (CMH) patients from local NHS trusts, with a new episode of anxiety, depression, or reaction to life difficulties (symptoms ≥4 weeks, <6 months, GHQ-12 >3) symptoms duration, recruitment period unknown, follow-up 26 weeks. From community mental health, UK | n=90 (n=60 employed); protocolized problem-solving treatment (initial 1-hour session plus five 30-15 minutes follow-up sessions) by CMH nurse | n=79 (n=59 employed); generic treatment (initial 1-hour session plus five 30-15 minutes follow-up sessions) by CMH nurse; n=78 (n=54 employed); usual care by GP (asked not to refer patients to a psychological therapist during study period unless absolutely necessary) | number of days off paid work | | | data for depressed subsample was provided by personal communication; high risk of performance, detection, and attrition bias; overall loss-to-follow-up 26% low QoE acc. to GRADE |
| gezondheidszorg-interventies; psychotherapie en farmacotherapie | | | | | | | | | |
| Nieuwenhuijsen 2014 | | RCT (1) | n=57 persons with stable employment, MDD and new episode of care | psychodynamic therapy combined with antidepressant medication (TCA) | supportive care + TCA | (follow-up 7-12 mo.) days of sickness absence | SMD -0.02 (CI: -0.15 - 0.12) | | GRADE quality of evidence very low ; downgrade 3 levels for risk of bias and small number |
| Burnand 2002 | B | RCT | n=95 (n=57 with stable employment), outpatient with new episode of care, MDD (DSM-IV + HDRS ≥20); age 20-65 years; community mental health centre in francophone Switzerland | n=35 (n=25 with stable employment) psychodynamic psychotherapy (individual sessions by nurse, frequency not fixed), and TCA clomipramine 25mg per day, gradually increasing to 125mg on 5th day (refusal or side effects 20 to 40 citalopram per day), during 10 weeks | n=39 (n=32 stable employment) supportive care (with empathic listening, guidance and support) and TCA clomipramine 25mg per day, gradually increasing to 125mg on 5th day (refusal or side effects 20 to 40 citalopram per day), during 10 weeks | days of sickness absence in 10 weeks | | | stratified randomisation (personality disorder, previous DD, gender); unclear risk selection bias, high risk of performance, detection, and attrition bias (loss to follow up 22%) GRADE quality of evidence very low |

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|----------------------------------|-----------------------|---------------------------------|--|---|---|---|---|--|---|
| Nieuwenhuijsen 2014 | B | RCT (3) | persons with depressive disorders, 3 studies in primary health care setting | enhanced primary care combined with antidepressant medication | care as usual | (follow-up 7-12 mo.) days of sickness absence | SMD -0.02 (CI: -0.15 - 0.12) | inconclusive | GRADE quality of evidence low ; downgrade 2 levels for low quality (in 3) and inadequate study allocation (in 1 study) |
| Rost 2004 | B | RCT | n=326 employed patients, with MDD (from 2-stage screening procedure), age ≥18 years; from 12 community primary care practices across the USA | n=158 enhance care (high quality depression treatment by trained primary care team; within one week after initial visit with physician return visit with nurse care manager (education about treatment, addressing treatment barriers, checklist for physician's review, scheduling of next appointment), during 5-7 weeks, monitoring for 1 year | n=168 usual care ; regular primary physicians care | total number of work hours lost due to illness or doctor visits over past 4 weeks subjective rating productivity on scale 0-10 | | | high risk of selection, detection, and attrition bias (loss-to-follow-up 27% at one year) GRADE quality of evidence low |
| Schoenbaum 2001 | B | cluster-RCT (at hospital level) | n=1356 patients with probable depressive disorder (intended to use clinic for next year), ≥18 years, in 46 primary care clinics in 6 community-based managed care organisations, USA | n=913 quality care program (i.e. QI meds or QI therapy) with 2-days training of local practice team and resources (f. ex. education pamphlets and videotapes, patients tracking forms, guideline-concordant clinical manuals and pocket reminder cards) to initiate and monitor QI programs care (QI meds: monthly telephone contacts with nurse specialist to support adherence for 6 or 12 months; QI therapy: protocolised, individual and group CBT by practice therapist) | n=443 usual care ; mailing of practice guidelines to primary care professionals | days worked during 24 months follow-up | | | high risk of selection, performance, and detection bias (loss to follow up 15% at 2 yrs) GRADE quality of evidence low |
| Simon 1998 | B | RCT | n=156 MDD patients (n=± 115 employed) with probable depressive disorder (intended to use clinic for next year), age 18-80 years, large primary care clinics in managed care setting, USA | n=80 (±63 employed) multifaceted care aimed to increase likelihood that treatment would be conform primary care depression guidelines (components: 1) written and videotaped patient education material, 2) increased frequency follow-up visits during first 8 weeks, 3) physicians advice on pharmacotherapy changes, 40 monitoring side-effects, and - 2 subgroups with psychiatrist-liaison vs. psychologist-liaison collaborative care | n=76 (±52 employed) usual care ; any service normally available, including pharmacotherapy, and referral | number of days of missed work or school out of last 90 | | | high risk of detection, and attrition bias (loss to follow up 17%, and 21%) GRADE quality of evidence low |
| Nieuwenhuijsen 2014 | A2 | RCT (1) | n=604 persons with depressive disorder in managed care setting | psychological intervention combined with antidepressant medication; telephone outreach and care program | care as usual | (follow-up 12 mo.) days of sickness absence on-the-job performance | SMD -0.21 (CI: -0.37 - -0.05) SMD 0.50 (CI: 0.34 - 0.66) | small difference between intervention groups | GRADE quality of evidence high |

| 1ste auteur publicatie (jaar) | mate van bewijs | type onderzoek | populatie | interventie | controle | uitkomstmaten | resultaten | conclusie | opmerkingen |
|---|-----------------------|-------------------|---|---|--|---|---|--|--|
| Wang 2007 | A2 | RCT | n=604 employees covered by a managed behavioral health plan, identified in a 2-stage screening process as having depression - at least moderate depression severity. USA. | n=304; structured telephone intervention; telephonic outreach and care management program that encouraged workers to enter outpatient treatment (by systematically assessment of needs for treatment, both psychotherapy and antidepressant medication), monitored and supported treatment adherence, and - for those declining in-person treatment - a structured psychotherapy intervention by telephone | n=300; care as usual patients were advised to consult a clinician and could receive any normally available insurance benefit of service (e.g. psychotherapy), just <i>not</i> additional telephone care management components | effective weekly hours worked (i.e. product of job retention [0 for those not working], relative hours among the employed, and on-the-job performance among the employed), actual weekly hours worked among employed (6, 12 mo); job retention (6, 12 mo); HPQ on-the-job performance (10-pts scale) (6, 12 mo) | at 6 mo: 42.0 (15.4) vs 40.1 (15.6); 1.8 h/w (-0.8 - 4.4), p=0.18 at 12 mo: 42.3 (13.4) vs 39.5 (13.7); 21.1 h/w (-0.4 - 4.5), p=0.09; at 6 mo: 0.8 (0.2) vs 0.7 (0.2); 0.2 (-0.2 - 0.5), p=0.35 at 12 mo: 0.8 (0.2) vs 0.7 (0.2); 0.2 (-0.2 - 0.6), p=0.40 | 70.7 vs 77.7% women; high risk of performance and detection bias (loss to follow up 14.5%, and 10%) GRADE quality of evidence high | |
| Interventies in de gezondheidszorg; bewegingstherapie | | | | | | | | | |
| Nieuwenhuijsen 2014 | A2 | RCT (1) | n=65 workers with depressive disorder; data from 1 trial | strength training | relaxation | days of sickness absence depressive symptoms | SMD -1.11 (CI: -1.68 - -0.54) SMD 0.50 (CI: 0.34 - 0.66) | large difference between interventions in sickness absence but not symptom reduction | GRADE quality of evidence low |
| | A2 | RCT (2) | n=180? workers with depressive disorder; data from 2 trials with 3+2 treatment arms | aerobic training | relaxation / stretching | days of sickness absence depressive symptoms | SMD -0.06 (CI: -0.36 - 0.24) SMD 0.50 (CI: 0.34 - 0.66) | no difference between interventions in sickness absence and depressive symptoms | GRADE quality of evidence moderate |
| Krogh 2009 | B | RCT | n=165 (n=92 employed, and with depression) outpatients meeting ICD-10 criteria for unipolar depression, referred by a medical doctor or psychologist, 18 to 55 years; recruitment period January 2005 to July 2006, follow-up 12 months. Greater Copenhagen area, Denmark | n=55 (n=32 employed); supervised strength training (designed to increase muscle strength, circuit-training program with 6 exercises on machines involving large muscle groups); n=55 (n=25 employed); aerobic training (designed to increase fitness, program with 10 different exercises using large muscle groups); twice a week, during 4 months, 32 sessions | n=55 (n=35 employed) relaxation training (designed to avoid muscular contractions or stimulation of the cardiovascular system, program with 3 different relaxation, light balancing and breathing exercises for 50 to 80 minutes) | self-reported percentage of days absent from working days at 4 and 12 months | | | high risk of performance, detection, and attrition bias; loss-to-follow-up 22% at one year GRADE quality of evidence low |

| 1ste auteur publicatie (jaar) | mate van bewijs | type onderzoek | populatie | interventie | controle | uitkomstmaten | resultaten | conclusie | opmerkingen |
|--|-----------------------|-------------------|---|---|---|--|------------------|--|---|
| Krogh 2013 | B | RCT | n=115 (n=68 employed) patients from various clinical settings with MDD (DSM-IV with MINI, and HAM-D17 >12), referred by a medical doctor or psychologist, 18 to 60 years; recruitment period September 2008 to April 2011, follow-up 3 months. Greater Copenhagen area, Denmark | n=56 (n=36 employed); aerobic training (designed to increase fitness as measured by maximal oxygen uptake, program with 10 minutes low-intensity warming-up, followed by 30 minutes high intensity training [up to 80% maximum uptake] on cycle ergometer, and 5 minutes cooling-down), three times a week for 3 months, 36 sessions | n=59 (n=32 employed); stretching exercise (designed as an attention control group with the same level of social interaction and contact with health care professionals), program with 10 minutes low-intensity warming-up, followed by 20 minutes of stretching, and 15 minutes of various low intensity exercises, three times per week for 3 months for a total of 36 sessions | self-reported percentage of days absent from work during last 10 working days at 3 months | | | high risk of performance; loss-to-follow-up 16.1%, and 10.2% at 3 months GRADE quality of evidence moderate |
| recent interventie onderzoek, anders dan systematic review | | | | | | | | | |
| Hellerstein 2015 | C | pilot study | n=16; participants in a MDD pharmacotherapy trial with good response but remaining unemployed. State New York, USA. | 12-week individual manual driven behavioral activation therapy with a goal return to work | - | hours of work-related activity and hours of paid work, at 24 wks | d= 0,83 and 0,54 | preliminary evidence of efficacy of a work-targeted psychotherapy to remediate vocational impairment | 14 (85%) completed the 12-weeks intervention |
| interventies tegen terugval bij depressie | | | | | | | | | |
| Arends 2014a | A2 | RCT | SHARP trial werknemers met CMD (waaronder een klein deel depressie) | | | uitblijven van terugval in verzuim | | | uitgebreide beschrijving in rapport over prioritering MDR - incl deel ppn met MDD |

| 1ste auteur | titel | mate van bewijs | type onderzoek | populatie | factor | follow-up | uitkomstmaten | resultaten | conclusie | opmerkingen |
|--|--|-----------------|---|--|---|---|---|--|-----------|---|
| Uitgangsvraag 5: Welke factoren hebben een gunstige of ongunstige invloed op de prognose van a) functioneren in werk, b) terugkeer in werk of opnieuw uitvallen, en c) instroom in uitkeringen of regelingen voor arbeidsongeschiktheid? | | | | | | | | | | |
| Arends 2014b | Predictors of recurrent sickness absence among workers having returned to work after sickness absence due to common mental disorders | B | prospective cohort study | n=158 patients sick listed due to OP's diagnosis of common mental disorder (SHARP trial) | (Baseline) questionnaires and administrative data | 6 and 12 months after RtW | recurrent sickness absence (longitudinal logistic regression analysis with backward elimination) | predictors: compagny size >100 (OR 2.59, 1.40-4.80), conflicts with supervisor (OR 2.21, 1.21-4.04); having => 1 chronic disease (OR 0.54, 0.30-0.96) | | gemengde groep CMD (niet aangegeven hoeveel % met depressie) |
| Brenninkmeijer 2008 | Depressed and absent from work: predicting prolonged depressive symptomatology among employees | B | longitudinal cohort study | patiënten sick listed for 12-20 weeks due to mental health problems (INVENT cohort) | screening questionnaire, and standardized telefonische interviews | n=555; screening questionnaire 42%, 93% first interview, 79% second interview, n=436 participated in second interview; Follow-up van 1 jaar na inclusie | Work resumption (zowel full als partial), depressive symptoms, work-related characteristics and actions by employer | laag opleidingsniveau en kostwinnerschap zijn verbonden met een ongunstiger verloop van de ziekte; werkhervatting en aanpassing van taken zijn belangrijk . Deels of volledige verhoging toont relatie met gunstiger verloop van ziekte (kan ook andersom zijn). | | voorspellers: ernst klachten; langbestaande klachten voor ziekmelding; lang verzuim voor zoeken van hulp; hoge scores op 4DKL somatisatie e/o angst at baseline of depressie op 3 maanden |
| Brouwers 2009 | Predicting Return to Work in Employees Sick- Listed due to Minor Mental Disorders | B | prospectieve cohort; aug 2001- juli 2003; inclusie bij 70 HAP'n, Almere | n = 194 patiënten met 'minor mental disorders', al verzuimend of direct na het consult | vragenlijsten en telefonisch interview | volledige werkervatting 3 maanden 38%, na 6 maanden 61% | volledige werkhervatting na 3 of 6 maanden | voorspellers: ernst klachten; langbestaande klachten voor ziekmelding; lang verzuim voor zoeken van hulp; hoge scores op 4DKL somatisatie e/o angst at baseline of depressie op 3 maanden | | exclusie patiënten met matig ernstige en ernstige depressieve stoornis |

| 1ste auteur publicatie (jaar) | titel | mate van bewijs | type onderzoek | populatie | factor | follow-up | uitkomstmaten | resultaten | conclusie | opmerkingen |
|----------------------------------|---|-----------------------|---|---|--|-----------|--|--|-----------|--|
| Cornelius 2011 | Prognostic factors of long term disability due to mental disorders: a systematic review | A1 | systematisch review met 7 hoge kwaliteit cohort-onderzoeken | | gezondheids-, persoonlijke en externe factoren vlg ICFmodel | | doorgaand verzuim (no RtW); arbeids-ongeschiktheid | voorspellers: sterk bewijs leeftijd >50 jaar langdurend verzuim en blijvende arbeids-ongeschiktheid; beperkt bewijs: man, hoog opleidingsniveau, eerder verzuim, negatieve verwachtingen t.a.v. herstel, lage SEK, werkloosheid, kwaliteit/continuïteit BGZ, opstelling leidinggevende | | depressie en angststoornissen zijn als gezondheidsfactor verbonden met meer verzuim en AO-heid (net als stressgerelateerde stoornis, rug- en schouderpijn) |
| Cornelius 2014 | Predictors of functional improvement and future work status after the disability benefit claim: a prospective cohort study. | B | Prospective cohort study (october 2009 - april 2011) | n = 375 (response rate van 24,3%) (n=310 voor work status analyse), disability claimants (data uit PREDIS gebruikt) | Self reported vragenlijsten en structured psychiatric interviews | 1 jaar | functional improvement en work-status at follow up | Voorspellers voor toekomstig werk status: werk status at baseline, contact met medisch specialist, en Loss of Earning Capacity <80% | | Kijkt specifiek naar voorspellers als patiënten al ziektegeld ontvangen |
| de Graaf 2011 | Verzuim door psychische en somatische aandoeningen bij werkenden | A1 | | NEMESIS-2 Nederlands bevolkings-onderzoek | | | | werkenden met depressie verzuimen extra 22,8 dagen per jaar | | |

| 1ste auteur publicatie (jaar) | titel | mate van bewijs | type onderzoek | populatie commentaar op | factor | follow-up | uitkomstmaten | resultaten omgevingen van psychotherapie | conclusie | opmerkingen |
|----------------------------------|--|-----------------------|---|--|------------------------------|---------------|---|--|-----------|--|
| Ebrahim 2013 | Association of Psychotherapy with Disability Benefit Claim Closure among Patients Disabled Due to Depression | B | retrospectief cohort- | Canadese inkomensverzekeraar (n=259.510) wegens kortdurende (<±27wk; n=172.425 geïnccludeerd) of blijvende (tot 65jr; n=55.530 geïnccludeerd) arbeidsongeschiktheid a.g.v. depressie (ICD-n=540 Japanse werknemers bij 1 onderneming die hervatten na een verzuimperiode a.g.v. een eerste depressieve episode (apr 2002-mrt 2008); follow-up 8,5 jaar | aanbieden van psychotherapie | Cox-regressie | afsluiten van de claimperiode | hangt samen met een langere periode short-term disability claim (=verzuim) en kortere periode long-term disability claim (=arbeidsongeschiktheid); ook een hogere leeftijd, vrouw zijn, hoger salaris, diagnose van recidief episode depressie, een tweede psychische of somatisch aandoening leidden tot langer short-term disability claim period. Hogere leeftijd, primaire diagnose van recidiverende depressie en een | | Cox-regressie |
| Endo 2013 | Recurrence of sickness absence due to Depression after Returning to Work at Japanese IT Company | C | descriptief retrospectief cohort- | Nederlandse werknemers - aangesloten bij ArboNed n=9.910 verzuimepisoden ten gevolge van depressieve stoornis in periode | | 8,5 jaar | recurrence of sickness absence due to depression after work | na 8,5 jaar follow up was bij 49,3% herhaald ziekteverzuim opgetreden, vooral in de eerste 2 jaren en bij 85,2% binnen de eerste 3 jaren na werkherleving | | Onderzoek uit Japan, representatief voor NL? |
| Koopmans 2008 | Sickness absence due to depressive symptoms | B | descriptief prospectief; observational; survival analysis | | | 104 weken | verzuimduur (dagen) | 24% langer dan een jaar; gemiddeld verzuim (mediaan) onder mannen 200 (179), onder vrouwen 213 (201); relatief lang verzuim in onderwijs en overheid (232;242), commerciële sector (213;219), gezondheidssector (212;214); onder ouderen en bij | | |

| 1ste auteur publicatie (jaar) | titel | mate van bewijs | type onderzoek | populatie | factor Verzameling van data (retrosectief ingevoerd) door 75 getrainde OHP's. | follow-up | uitkomstmaten | resultaten | conclusie | opmerkingen |
|----------------------------------|--|-----------------------|---|--|---|--|---|---|--|---|
| Flach 2013 | Identifying employees at risk of job loss during sick leave | C | retrospectief | n=4132 employees on sick leave; geregistreerd van Mei 2004 tot Januari 2006 | | | OR voor job loss during sick leave berekend in logistic regression models | Job loss during sick leave is associated with mental disorder, a history of sick leave due to these disorders, lack of co-worker and supervisor support, job insecurity, and working as a civil servant or a | | were divided into mood disorder, anxiety disorder, stress disorder, somatoform disorder and |
| Lerner 2004 | The Clinical and Occupational Correlates of Work Productivity Loss Among Employed Patients With Depression | | longitudinal observational cohort study | N = 246 employees with depression (recruited tussen 2001 en 2003) and N = 143 controls. | Questionnaires, multi regressie | | health related productivity loss | | | |
| Lerner 2010 | Work Performance of Employees With Depression: The Impact of Work Stressors | A2 | longitudinal cohort study | N = 286 depressed employed adults (18-62) en 193 controls. Recruited tussen februari 2001 tot maart 2003 | Baseline questionnaire via email. Questions over the phone by research assistant. Followup questionnaires via post. | 18 maanden | Work performance | Depression symptoms are related to work absences and impaired work performance. WP: Sterke evidence voor relatie tussen duur depressie en work disability. Matig evidence voor relatie tussen ergere depressie, aanwezigheid van co-morbiditeit en work disability. WF: Matig evidence voor relatie tussen ergere depressieve symptomen en meer | | |
| Lagerveld 2010 | Factors Associated with Work Participation and Work Functioning in Depressed workers: A systematic review | A1 | systematisch review met hoge kwaliteit cohort-onderzoeken | N=25; N=19 work participation, N=11 work functioning, N=5 both; depressed workers | systematisch literatuur-onderzoek | | work participation; work functioning | | | limitations voor werk en matige |
| Mäntyniemi 2012 | Job strain and the risk of disability pension due to musculoskeletal disorders, | A2 | prospectief cohort-onderzoek | n=69,842; 48,598 repondents to survey, follow up from 2000 to 2002 | high job strain; HR/unit, adjusted for demographics, work unit and | mean 4.6 years; 2,572 (4%) were granted disability pension | disability pension | | no consistent pattern found for disability pension due to depression | |

| 1ste auteur publicatie (jaar) | titel | mate van bewijs | type onderzoek | populatie | factor | follow-up | uitkomstmaten | resultaten | conclusie | opmerkingen |
|----------------------------------|---|-----------------------|---|--|--|-----------|---|--|-----------|-------------|
| Slebus 2007 | Prognostic factors for work ability in sicklisted employees with chronic diseases | A1 | systematisch review met hoge kwaliteit cohort-onderzoeken | AMI: N=7; cLRP N=2; MDD N=0 | systematische literatuursearch jan 1990-juli 2006 | | | geen relevante onderzoeken die prognostische factoren t.a.v. werkhervatting en arbeidsongeschiktheidsuitkeringen voor patiënten met depressie ernst van de depressieve klachten (PHQ-9) en gezondheidsgerelateerde kwaliteit van leven maten (EuroQol-5D en SF-36) voorspellen verzuimduur; vrouwen, patiënten met partner maar zonder kinderen en ouderen meer tijd tot volledige werkhervatting; full-time job and patients with more decision latitude leidt ook tot langere tijd tot RTW. Management | | |
| Vemer 2013 | Let's get back to work: survival analysis on the return-to-work after depression | C | prospectief longitudinaal onderzoek | n=122 cohort uit interventie- en kosten-utiliteits-onderzoek van Vlasveld 2013 en Goorden 2014 | Vragenlijsten | | Tijd tot volledige RTW (ziekteverzuimdagen) | | | |