

Supplementary material for

Sick leave before, during, and after short-term outpatient psychotherapy – A cohort study on sick leave days and health care costs between behavioural and psychodynamic psychotherapies on anonymised claims data

This study follows a study protocol pre-registered and uploaded to the open science framework (<https://osf.io/xf6vb/>). As an amendment to the protocol according to the feedback during the peer-review process, we additionally assessed and reported the costs for psychotherapy and the number of application-free diagnostic (“*probatory*”) sessions. Costs for psychotherapy were assessed as all outpatient cases with a billed code for psychotherapy or application-free diagnostic sessions according to Table S2 as described in the methods section.

List of contents

<i>Table S1 – In- and exclusion criteria for the study sample identification including procedure codes and rationales for each criterion displayed in computational order.....</i>	<i>3</i>
<i>Table S2 – Reference list of outpatient psychotherapy procedure codes via the Uniform Value Scale (or doctor’s fee schedule; “Einheitlicher Bewertungsmaßstab” [EBM])</i>	<i>5</i>
<i>Table S3 – Description and operationalization of the covariates used for the sample characterization and propensity score matching.....</i>	<i>9</i>
<i>Figure S1 – Propensity score distributions before and after matching. Displayed are densities of logit(PS) before and after matching. Dashed lines represent mean values of PS scores for each group.</i>	<i>11</i>
<i>Table S4 – Reason for psychotherapy before and after matching of patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT).....</i>	<i>12</i>
<i>Table S5 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for females.....</i>	<i>13</i>
<i>Table S6 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for males.....</i>	<i>14</i>
<i>Table S7 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients aged 19-35 years.....</i>	<i>15</i>
<i>Table S8 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients aged 36-50 years.....</i>	<i>16</i>
<i>Table S9 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients aged 51-65 years.....</i>	<i>17</i>
<i>Table S10 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for the unmatched samples.....</i>	<i>18</i>
<i>Table S11 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients with psychological therapists.....</i>	<i>19</i>
<i>Table S12 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients with psychiatric therapists</i>	<i>20</i>
<i>Table S13 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients with other therapists.....</i>	<i>21</i>
<i>Table S14 – STROBE Statement – Checklist</i>	<i>22</i>

Table S1 – In- and exclusion criteria for the study sample identification including procedure codes and rationales for each criterion displayed in computational order

Criterion	Further definition and rationale
1. At least one day of enrolment in the InGef research database in 2015 through 2018	Used for identification of overall study population
2. At least one session of outpatient psychotherapy in 2015 through 2018 (EBM codes 35200-35559)	At least one session of psychotherapy. For a detailed list and description of used procedure codes, see Table S2 (Type = “Behavioural psychotherapy” or “Psychodynamic therapy” or “Psychoanalysis”).
3. No session of outpatient psychotherapy in one year preceding the first coded session of psychotherapy in 2015 through 2018	Exclusion of patients with preceding psychotherapies and demanding a time “free of therapy” before
4. At least 10 and no more than 25 sessions of outpatient psychotherapy in 2015 or later conducted by one therapist (operationalized via practitioner-specific accounting numbers)	Restriction to patients who received a psychotherapy that can be defined as at least “started” (at least 10 sessions by one therapist; this also enables an exclusion of patients that received several single psychotherapy sessions at different therapists that could in total exceed a minimum of 10 sessions) allowing for 1) “switching” while searching for therapies (also between different types of psychotherapy) and either 2) “therapy drop-outs” (10 sessions should be a minimum, whilst a guideline-based therapy should consist of at least roughly 20 sessions) or 3) short treatments (e.g., exposure therapy for specific phobias which can be achieved within fewer sessions)
5. No more than one type of therapy at the begin of therapy	Criterion for differentiation between different therapy types at treatment begin and preventing ambiguity in which treatment was received.
6. At least one application-free diagnostic (“probatory”) session in 3 months preceding begin of therapy	Demanding at least one “probatory” session before the begin of therapy. Outpatient psychotherapies are subject to application at a patient’s SHI which can be preceded by five application-free probatory sessions. Probatory sessions are mainly intended for psychodiagnosis and problem identification as well as allowing patients to switch between therapists while searching for therapy. For a detailed list and description of used procedure codes, see Table S2 (Type = “Probatory”).
7. The end of psychotherapy must be before 31 December 2018	Restriction to observation period and allowing for a follow-up period of one year
8. No change in type of therapy between the begin and end of therapy	Demanding a series of short-term treatments at one therapist without changing in between for clear exposure definition (behavioural psychotherapy vs. psychodynamic therapy) – however, switching between therapists while searching for therapy is still allowed by this computational order
9. No inpatient psychiatric treatment stays within one year preceding the begin of psychotherapy through 180 days after end of therapy	Restriction to outpatient treatments. Inpatient psychiatric treatment stays are defined as inpatient stays 1) coded as invoices for inpatient psychiatric treatments, 2) with a coded ICD-10-GM diagnosis beginning with “F” (mental and behavioural disorders) as main diagnosis, 3) at an institution coded as “psychiatric or psychosomatic institution” (billed via the “Pauschalierendes Entgeltsystem Psychiatrie und Psychosomatik“ [PEPP]), or 4) with a billed psychotherapy (OPS Codes: 941, 9410, 9411, 962).

10. Age \geq 19 at beginning of psychotherapy and age \leq 65 years at end of psychotherapy	Restriction to patients who could possibly work and, thus, assess reasonable data on sick leave
11. Continuous enrolment in the InGef research database from one year preceding the begin of therapy through the end of therapy	Allowing full observability from baseline period until end of therapy for clear exposure definition and matching. After the end of therapy, death or change in health insurance are allowed and taken into account by calculating rates over the person-time in the outcomes.
12. Valid sick leave data in the database	Restriction to individuals with valid sick leave data.
13. No session of outpatient long-term psychotherapy between begin and end of psychotherapy	Further restriction to outpatients only. Excluded were patients who had a billed outpatient long-term psychotherapy session (Length = "long-term (>25 sessions)" in Table S2).
14. Time under therapy (defined as time from begin to end of therapy) no longer than 1.5 years	Exclusion of patients with uncommonly long length of therapy.
15. No session of psychoanalysis between begin and end of psychotherapy.	Exclusion of patients who received an outpatient psychoanalysis session (Type = "Psychoanalysis" in Table S2)

Table S2 – Reference list of outpatient psychotherapy procedure codes via the Uniform Value Scale (or doctor's fee schedule; "Einheitlicher Bewertungsmaßstab" [EBM])

Code	Valid from	Valid until	Description	Type	Length	Group size
30931			Probatory session	Probatory	max. 5 sessions	1
35140			Biographical anamnesis	Probatory	max. 5 sessions	1
35150			Probatory session	Probatory	max. 5 sessions	1
35163			Probatory session with 3 participants	Probatory	max. 5 sessions	3
35164			Probatory session with 4 participants	Probatory	max. 5 sessions	4
35165			Probatory session with 5 participants	Probatory	max. 5 sessions	5
35166			Probatory session with 6 participants	Probatory	max. 5 sessions	6
35167			Probatory session with 7 participants	Probatory	max. 5 sessions	7
35168			Probatory session with 8 participants	Probatory	max. 5 sessions	8
35169			Probatory session with 9 participants	Probatory	max. 5 sessions	9
35200		31.03.2017	Psychodynamic psychotherapy (short-term therapy, individual treatment)	Psychodynamic therapy	short-term (1-25 sessions)	1
35201		31.03.2017	Psychodynamic psychotherapy (long-term therapy, individual treatment)	Psychodynamic therapy	long-term (>25 sessions)	1
35202		31.03.2017	Psychodynamic psychotherapy (short-term therapy, group treatment)	Psychodynamic therapy	short-term (1-25 sessions)	100
35203		31.03.2017	Psychodynamic psychotherapy (long-term therapy, group treatment)	Psychodynamic therapy	long-term (>25 sessions)	100
35210		31.03.2017	Psychoanalysis (individual treatment)	Psychoanalysis	long-term (>25 sessions)	1
35211		31.03.2017	Psychoanalysis (group treatment)	Psychoanalysis	long-term (>25 sessions)	100
35220		31.03.2017	Behavioural psychotherapy (short-term therapy, individual treatment)	Behavioural psychotherapy	short-term (1-25 sessions)	1
35221		31.03.2017	Behavioural psychotherapy (long-term therapy, individual treatment)	Behavioural psychotherapy	long-term (>25 sessions)	1
35222		31.03.2017	Behavioural psychotherapy (short-term therapy, small group)	Behavioural psychotherapy	short-term (1-25 sessions)	100
35223		31.03.2017	Behavioural psychotherapy (long-term therapy, small group)	Behavioural psychotherapy	long-term (>25 sessions)	100
35224		31.03.2017	Behavioural psychotherapy (short-term therapy, big group)	Behavioural psychotherapy	short-term (1-25 sessions)	200
35225		31.03.2017	Behavioural psychotherapy (long-term therapy, big group)	Behavioural psychotherapy	long-term (>25 sessions)	200
35401	01.04.2017		Psychodynamic psychotherapy (short-term therapy 1, individual treatment)	Psychodynamic therapy	short-term (1-25 sessions)	1
35402	01.04.2017		Psychodynamic psychotherapy (short-term therapy 2, individual treatment)	Psychodynamic therapy	short-term (1-25 sessions)	1

Code	Valid from	Valid until	Description	Type	Length	Group size
35405	01.04.2017		Psychodynamic psychotherapy (long-term therapy, individual treatment)	Psychodynamic therapy	long-term (>25 sessions)	1
35411	01.04.2017		Psychoanalysis (short-term therapy 1, individual treatment)	Psychoanalysis	short-term (1-25 sessions)	1
35412	01.04.2017		Psychoanalysis (short-term therapy 2, individual treatment)	Psychoanalysis	short-term (1-25 sessions)	1
35415	01.04.2017		Psychoanalysis (long-term therapy, individual treatment)	Psychoanalysis	long-term (>25 sessions)	1
35421	01.04.2017		Behavioural psychotherapy (short-term therapy 1, individual treatment)	Behavioural psychotherapy	short-term (1-25 sessions)	1
35422	01.04.2017		Behavioural psychotherapy (short-term therapy 2, individual treatment)	Behavioural psychotherapy	short-term (1-25 sessions)	1
35425	01.04.2017		Behavioural psychotherapy (long-term therapy, individual treatment)	Behavioural psychotherapy	long-term (>25 sessions)	1
35503	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 3 participants	Psychodynamic therapy	short-term (1-25 sessions)	3
35504	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 4 participants	Psychodynamic therapy	short-term (1-25 sessions)	4
35505	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 5 participants	Psychodynamic therapy	short-term (1-25 sessions)	5
35506	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 6 participants	Psychodynamic therapy	short-term (1-25 sessions)	6
35507	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 7 participants	Psychodynamic therapy	short-term (1-25 sessions)	7
35508	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 8 participants	Psychodynamic therapy	short-term (1-25 sessions)	8
35509	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, short-term therapy) - group therapy with 9 participants	Psychodynamic therapy	short-term (1-25 sessions)	9
35513	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 3 participants	Psychodynamic therapy	long-term (>25 sessions)	3

Code	Valid from	Valid until	Description	Type	Length	Group size
35514	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 4 participants	Psychodynamic therapy	long-term (>25 sessions)	4
35515	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 5 participants	Psychodynamic therapy	long-term (>25 sessions)	5
35516	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 6 participants	Psychodynamic therapy	long-term (>25 sessions)	6
35517	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 7 participants	Psychodynamic therapy	long-term (>25 sessions)	7
35518	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 8 participants	Psychodynamic therapy	long-term (>25 sessions)	8
35519	01.04.2017		Complex for group therapies (psychodynamic psychotherapy, long-term therapy) - group therapy with 9 participants	Psychodynamic therapy	long-term (>25 sessions)	9
35523	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 3 participants	Psychoanalysis	short-term (1-25 sessions)	3
35524	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 4 participants	Psychoanalysis	short-term (1-25 sessions)	4
35525	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 5 participants	Psychoanalysis	short-term (1-25 sessions)	5
35526	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 6 participants	Psychoanalysis	short-term (1-25 sessions)	6
35527	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 7 participants	Psychoanalysis	short-term (1-25 sessions)	7
35528	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 8 participants	Psychoanalysis	short-term (1-25 sessions)	8
35529	01.04.2017		Complex for group therapies (psychoanalysis, short-term therapy) - group therapy with 9 participants	Psychoanalysis	short-term (1-25 sessions)	9
35533	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 3 participants	Psychoanalysis	long-term (>25 sessions)	3
35534	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 4 participants	Psychoanalysis	long-term (>25 sessions)	4
35535	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 5 participants	Psychoanalysis	long-term (>25 sessions)	5
35536	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 6 participants	Psychoanalysis	long-term (>25 sessions)	6

Code	Valid from	Valid until	Description	Type	Length	Group size
35537	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 7 participants	Psychoanalysis	long-term (>25 sessions)	7
35538	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 8 participants	Psychoanalysis	long-term (>25 sessions)	8
35539	01.04.2017		Complex for group therapies (psychoanalysis, long-term therapy) - group therapy with 9 participants	Psychoanalysis	long-term (>25 sessions)	9
35543	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 3 participants	Behavioural psychotherapy	short-term (1-25 sessions)	3
35544	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 4 participants	Behavioural psychotherapy	short-term (1-25 sessions)	4
35545	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 5 participants	Behavioural psychotherapy	short-term (1-25 sessions)	5
35546	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 6 participants	Behavioural psychotherapy	short-term (1-25 sessions)	6
35547	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 7 participants	Behavioural psychotherapy	short-term (1-25 sessions)	7
35548	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 8 participants	Behavioural psychotherapy	short-term (1-25 sessions)	8
35549	01.04.2017		Complex for group therapies (behavioural psychotherapy, short-term therapy) - group therapy with 9 participants	Behavioural psychotherapy	short-term (1-25 sessions)	9
35553	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 3 participants	Behavioural psychotherapy	long-term (>25 sessions)	3
35554	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 4 participants	Behavioural psychotherapy	long-term (>25 sessions)	4
35555	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 5 participants	Behavioural psychotherapy	long-term (>25 sessions)	5
35556	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 6 participants	Behavioural psychotherapy	long-term (>25 sessions)	6
35557	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 7 participants	Behavioural psychotherapy	long-term (>25 sessions)	7
35558	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 8 participants	Behavioural psychotherapy	long-term (>25 sessions)	8
35559	01.04.2017		Complex for group therapies (behavioural psychotherapy, long-term therapy) - group therapy with 9 participants	Behavioural psychotherapy	long-term (>25 sessions)	9

Table S3 – Description and operationalization of the covariates used for the sample characterization and propensity score matching

Variable	Definition
Sex*	Documented sex at cohort entry
Age*	Date of cohort entry – birthdate
Sick leave days before begin of therapy	Number of sick leave days in baseline period. Days in hospital also count as sick leave days.
<i>Severe mental illness*</i>	
Alzheimer*	Patients with at least one outpatient verified or hospital main or secondary discharge diagnosis of dementia in the baseline period as indicated by one of the following ICD-10-GM codes: G30
Dementia*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of dementia in the baseline period as indicated by one of the following ICD-10-GM codes: F00-F03 3
Intellectual disabilities*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of intellectual disabilities in the baseline period as indicated by one of the following ICD-10-GM codes: F70-F79
Schizophrenia, schizotypal, and delusional disorder*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of schizophrenia, schizotypal and delusional disorders in the baseline period as indicated by one of the following ICD-10-GM codes: F20-F29
Borderline personality disorder*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of intellectual disabilities in the baseline period as indicated by one of the following ICD-10-GM codes: F60.3
Bipolar affective disorder*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of bipolar affective disorder in the baseline period as indicated by one of the following ICD-10-GM codes: F30, F31
Severe major depression*	Patients with at least one outpatient verified or hospital secondary discharge diagnosis of severe depression in the baseline period as indicated by one of the following ICD-10-GM codes: F32.2/33.2, F32.3/F33.3
<i>Physical illness*</i>	
Cancer*	Patients with at least one outpatient verified or hospital main or secondary discharge diagnosis of malignant neoplasms in the baseline period as indicated by one of the following ICD-10-GM codes: C00-C97
Charlson comorbidity index (CCI)*	Patients' Charlson Comorbidity Index at the end of therapy (calculated for the preceding one year before end of therapy)
<i>Psycholeptic drugs*</i>	
Persons with prescription*	Prescription of psycholeptic drugs (ATC-Code N05) in baseline period
Defined daily doses*	Sum of DDD in baseline period of psycholeptic drugs (ATC-Code N05)
<i>Psychoanaleptic drugs*</i>	
Persons with prescription*	Prescription of psychoanaleptic drugs (ATC-Code N06) in baseline period
Defined daily doses*	Sum of DDD in baseline period of psychoanaleptic drugs (ATC-Code N06)

Number of probatory sessions	Absolute number of outpatient probatory sessions (Table S2, Type = “Probatory”) between cohort entry and begin of therapy
Length of therapy	Absolute number of outpatient psychotherapy sessions between begin and end of therapy
Time under therapy	Absolute number of days between begin and end of therapy
Profession of therapist	Professional education of the partitioning therapist, binary as psychological, psychiatric, or others, assessed at treatment end:
	<u>Psychological</u>
	68 Psychological Psychotherapist
	69 Child and Youth Psychotherapist
	<u>Psychiatric</u>
	47 Child and Youth Psychiatry and Psychotherapy
	51 Neurology and Psychiatry
	58 Psychiatry and Psychotherapy
	59 Psychosomatic Medicine and Psychotherapy
	61 Psychotherapy (Medical Doctor)
	<u>Others</u>
	All professions not defined as psychological or psychiatric
Reason for psychotherapy	ICD-10-GM Diagnoses of the case ID defining the end of therapy

Variables marked with an * were included in the propensity score matching.

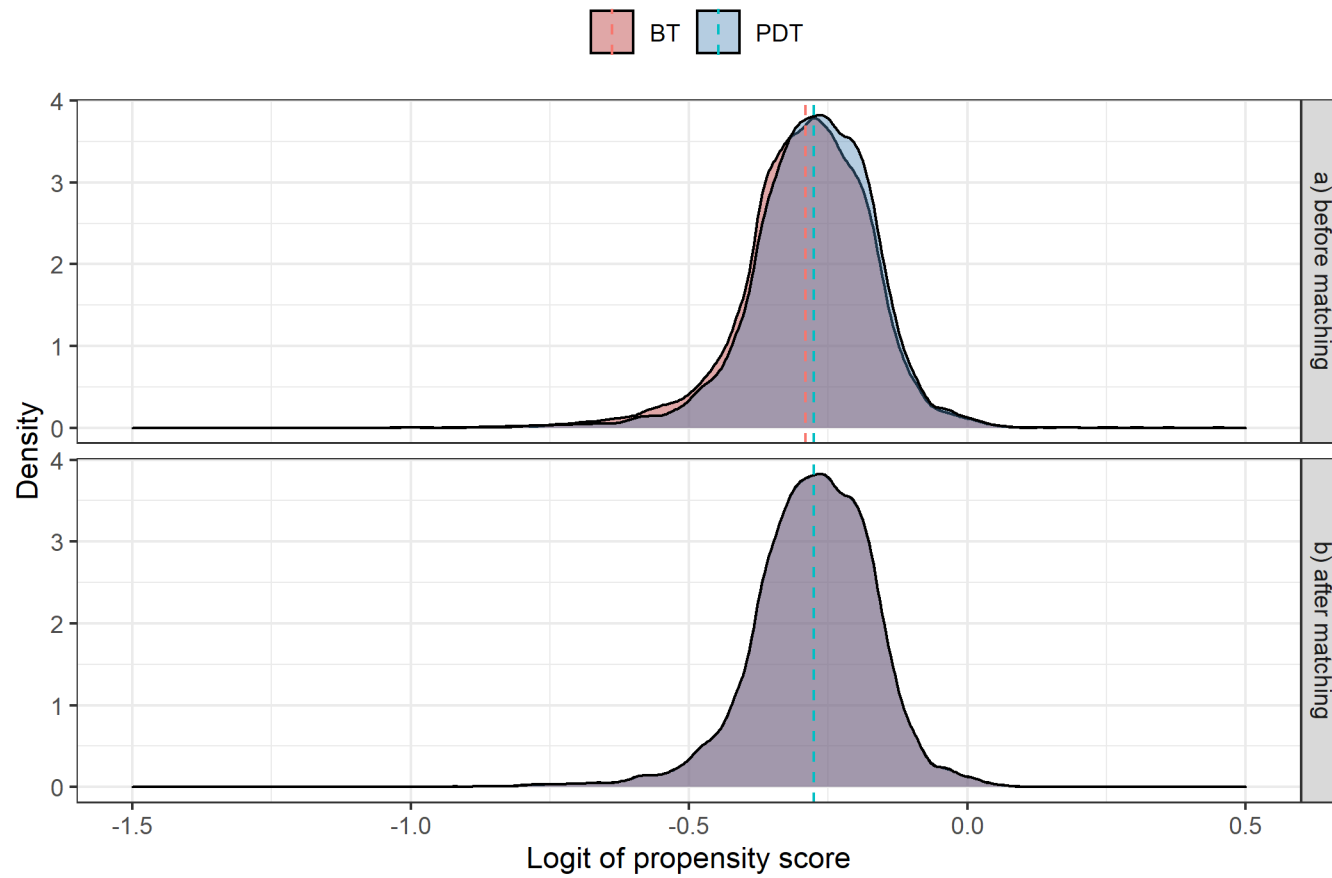


Figure S1 – Propensity score distributions before and after matching. Displayed are densities of logit(PS) before and after matching. Dashed lines represent mean values of PS scores for each group.

Table S4 – Reason for psychotherapy before and after matching of patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT)

	Before matching					After matching				
	BT (N = 19,280)		PDT (N = 14,537)		<i>SMD</i>	BT (N = 14,530)		PDT (N = 14,530)		<i>SMD</i>
Reason for psychotherapy, <i>n</i> (%)										
F00-F09 – Organic, including symptomatic, mental disorders	23	(0.1)	19	(0.1)	0,003	21	(0.1)	18	(0.1)	-0.006
F10-F19 – Mental and behavioural disorders due to psychoactive substance use	215	(1.1)	166	(1.1)	0,003	170	(1.2)	166	(1.1)	-0.003
F20-F29 – Schizophrenia, schizotypal and delusional disorders	45	(0.2)	37	(0.3)	0,004	30	(0.2)	37	(0.3)	0.010
F30-F39 – Mood [affective] disorders	9,077	(47.1)	7,343	(50.5)	0,069	6,773	(46.6)	7,341	(50.5)	0.078
F40-F48 – Neurotic, stress-related and somatoform disorders	11,813	(61.3)	8,738	(60.1)	-0,024	8,919	(61.4)	8,731	(60.1)	-0.026
F50-F59 – Behavioural syndromes associated with physiological disturbances and physical factors	822	(4.3)	523	(3.6)	-0,034	614	(4.2)	523	(3.6)	-0.032
F60-F69 – Disorders of adult personality and behaviour	849	(4.4)	737	(5.1)	0,032	633	(4.4)	737	(5.1)	0.034
F70-F79 – Mental retardation	8	(0.0)	<5			<5		<5		
F80-F89 – Disorders of psychological development	23	(0.1)	9	(0.1)	-0,019	13	(0.1)	9	(0.1)	-0.010
F90-F99 – Behavioural and emotional disorders with onset usually occurring in childhood and adolescence and unspecified mental disorder	146	(0.8)	78	(0.5)	-0,027	99	(0.7)	78	(0.5)	-0.019
unknown	161	(0.8)	139	(1.0)	0.013	128	(0.9)	139	(1.0)	0.008

Numbers accumulate to more than the group size and percentages to >100% because of multiple reasons for psychotherapy coded at treatment end.
 BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, *SMD* = Standardised mean difference.

Table S5 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for females**

Outcome	BT (N = 9,877)		PDT (N = 9,891)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	31.47	[30.56 – 32.37]	32.88	[31.94 – 33.82]	1.41	[0.17 – 2.69]
during therapy	33.25	[32.11 – 34.47]	36.07	[34.81 – 37.18]	2.81	[1.10 – 4.34]
after therapy	19.21	[18.54 – 19.92]	19.73	[19.03 – 20.43]	0.52	[-0.53 – 1.44]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	1.78	[0.77 – 2.77]	3.18	[2.12 – 4.26]	1.40	[-0.03 – 2.77]
after – before	-12.26	[-13.24 – -11.25]	-13.15	[-14.18 – -12.13]	-0.89	[-2.25 – 0.49]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	19.03	[18.23 – 19.73]	20.31	[19.48 – 21.08]	1.28	[0.22 – 2.34]
during therapy	23.05	[21.93 – 24.15]	25.74	[24.61 – 26.86]	2.69	[1.08 – 4.13]
after therapy	8.63	[8.09 – 9.20]	9.36	[8.74 – 9.93]	0.73	[-0.10 – 1.52]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	4.02	[3.04 – 4.96]	5.42	[4.46 – 6.44]	1.40	[0.00 – 2.73]
after – before	-10.40	[-11.21 – -9.47]	-10.95	[-11.82 – -10.10]	-0.56	[-1.83 – 0.55]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	4,044	[3,933 – 4,143]	4,079	[3,969 – 4,177]	35	[-114 – 189]
during therapy	3,988	[3,899 – 4,081]	4,155	[4,050 – 4,248]	167	[29 – 300]
after therapy	2,556	[2,453 – 2,654]	2,509	[2,411 – 2,603]	-47	[-184 – 96]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-56	[-168 – 61]	76	[-46 – 196]	132	[-40 – 290]
after – before	-1,488	[-1,616 – -1,371]	-1,570	[-1,694 – -1,459]	-82	[-271 – 95]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S6 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for males**

Outcome	BT (N = 4,653)		PDT (N = 4,639)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	38.32	[36.76 – 39.85]	39.66	[38.14 – 41.18]	1.34	[-0.82 – 3.55]
during therapy	41.99	[40.08 – 43.85]	47.83	[45.85 – 49.93]	5.84	[3.14 – 8.56]
after therapy	21.77	[20.63 – 22.85]	23.51	[22.41 – 24.74]	1.74	[0.27 – 3.26]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	3.68	[2.12 – 5.25]	8.17	[6.34 – 9.94]	4.50	[1.96 – 6.83]
after – before	-16.55	[-18.10 – -14.95]	-16.15	[-17.80 – -14.51]	0.40	[-1.88 – 2.56]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	24.99	[23.65 – 26.27]	25.02	[23.64 – 26.40]	0.03	[-1.78 – 1.91]
during therapy	31.35	[29.57 – 33.13]	36.00	[33.90 – 38.01]	4.65	[2.04 – 7.31]
after therapy	11.75	[10.75 – 12.65]	11.77	[10.79 – 12.78]	0.02	[-1.24 – 1.34]
<i>Difference over time</i>						
during – before	6.35	[4.81 – 7.86]	10.98	[9.29 – 12.75]	4.62	[2.42 – 6.95]
after – before	-13.25	[-14.73 – -11.84]	-13.25	[-14.73 – -11.79]	-0.01	[-2.20 – 2.11]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	4,949	[4,718 – 5,155]	5,031	[4,841 – 5,222]	82	[-192 – 387]
during therapy	4,363	[4,165 – 4,537]	4,624	[4,450 – 4,800]	262	[22 – 510]
after therapy	2,360	[2,203 – 2,499]	2,620	[2,455 – 2,773]	260	[46 – 472]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-586	[-812 – -358]	-407	[-619 – -190]	180	[-134 – 480]
after – before	-2,589	[-2,805 – -2,370]	-2,411	[-2,640 – -2,181]	178	[-131 – 473]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S7 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients aged 19-35 years

Outcome	BT (N = 4,228)		PDT (N = 4,289)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²	Rate-difference	95%-CI ²
<i>Sick leave days</i>						
before therapy	18.32	[17.36 – 19.28]	18.57	[17.58 – 19.52]	0.25	[-1.17 – 1.58]
during therapy	20.36	[19.00 – 21.65]	19.96	[18.66 – 21.14]	-0.40	[-2.11 – 1.36]
after therapy	12.89	[12.11 – 13.62]	12.52	[11.73 – 13.28]	-0.37	[-1.36 – 0.67]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	2.04	[0.90 – 3.10]	1.39	[0.31 – 2.36]	-0.65	[-2.11 – 0.92]
after – before	-5.43	[-6.36 – -4.43]	-6.05	[-7.15 – -5.04]	-0.62	[-2.12 – 0.77]
<i>Sick leave days with coded mental disorders</i>						
before therapy	9.85	[9.12 – 10.59]	10.45	[9.61 – 11.21]	0.60	[-0.55 – 1.65]
during therapy	12.70	[11.50 – 13.86]	12.33	[11.15 – 13.43]	-0.37	[-1.96 – 1.24]
after therapy	5.10	[4.51 – 5.70]	4.70	[4.09 – 5.29]	-0.39	[-1.23 – 0.42]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	2.85	[1.78 – 3.82]	1.88	[0.92 – 2.82]	-0.97	[-2.34 – 0.51]
after – before	-4.75	[-5.53 – -3.95]	-5.75	[-6.68 – -4.83]	-1.00	[-2.17 – 0.27]
<i>Health care costs (EUR)</i>						
before therapy	2,925	[2,794 – 3,053]	2,805	[2,683 – 2,914]	-120	[-295 – 50]
during therapy	3,373	[3,263 – 3,474]	3,381	[3,275 – 3,476]	8	[-140 – 157]
after therapy	1,879	[1,769 – 1,987]	1,890	[1,782 – 1,988]	11	[-145 – 161]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	448	[312 – 583]	576	[457 – 693]	128	[-52 – 312]
after – before	-1,047	[-1,198 – -894]	-915	[-1,040 – -791]	132	[-47 – 326]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S8 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for patients aged 36-50 years**

Outcome	BT (N = 5,991)		PDT (N = 5,996)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	32.41	[31.19 – 33.64]	34.24	[33.02 – 35.37]	1.84	[0.26 – 3.43]
during therapy	35.19	[33.62 – 36.71]	38.74	[37.14 – 40.24]	3.55	[1.54 – 5.67]
after therapy	20.05	[19.08 – 20.92]	20.98	[20.09 – 21.81]	0.93	[-0.38 – 2.16]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	2.78	[1.51 – 4.09]	4.49	[3.14 – 5.90]	1.72	[-0.16 – 3.59]
after – before	-12.36	[-13.60 – -11.15]	-13.26	[-14.56 – -12.03]	-0.90	[-2.61 – 0.79]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	20.04	[19.00 – 21.02]	21.13	[20.15 – 22.12]	1.09	[-0.32 – 2.40]
during therapy	25.10	[23.63 – 26.47]	27.68	[26.27 – 29.03]	2.59	[0.62 – 4.59]
after therapy	9.98	[9.19 – 10.82]	10.16	[9.42 – 10.92]	0.19	[-0.86 – 1.31]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	5.06	[3.86 – 6.33]	6.56	[5.30 – 7.90]	1.50	[-0.40 – 3.13]
after – before	-10.06	[-11.20 – -8.88]	-10.96	[-12.05 – -9.83]	-0.91	[-2.42 – 0.65]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	3,998	[3,867 – 4,132]	4,204	[4,064 – 4,345]	206	[24 – 395]
during therapy	3,945	[3,814 – 4,076]	4,208	[4,070 – 4,345]	263	[67 – 449]
after therapy	2,318	[2,197 – 2,439]	2,400	[2,269 – 2,519]	82	[-93 – 255]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-53	[-208 – 100]	4	[-169 – 162]	57	[-171 – 275]
after – before	-1,680	[-1,841 – -1,532]	-1,805	[-1,979 – -1,639]	-124	[-349 – 96]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S9 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for patients aged 51-65 years

Outcome	BT (N = 4,311)		PDT (N = 4,245)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	50.92	[49.02 – 52.79]	52.35	[50.58 – 54.12]	1.42	[-1.17 – 4.10]
during therapy	51.24	[48.94 – 53.37]	58.32	[55.99 – 60.52]	7.07	[4.05 – 10.24]
after therapy	27.00	[25.65 – 28.36]	28.86	[27.56 – 30.23]	1.86	[0.04 – 3.84]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	0.32	[-1.50 – 2.19]	5.97	[3.97 – 7.96]	5.65	[2.83 – 8.27]
after – before	-23.92	[-25.94 – -21.96]	-23.49	[-25.51 – -21.65]	0.44	[-2.55 – 3.05]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	33.40	[31.81 – 34.95]	33.94	[32.24 – 35.46]	0.54	[-1.64 – 2.92]
during therapy	38.12	[35.90 – 40.14]	45.10	[42.87 – 47.32]	6.98	[3.91 – 9.98]
after therapy	13.57	[12.43 – 14.62]	15.22	[14.05 – 16.39]	1.65	[0.16 – 3.31]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	4.71	[3.01 – 6.51]	11.16	[9.21 – 12.99]	6.44	[3.87 – 8.83]
after – before	-19.83	[-21.58 – -18.08]	-18.72	[-20.40 – -17.02]	1.12	[-1.30 – 3.56]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	6,229	[5,976 – 6,453]	6,182	[5,978 – 6,396]	-46	[-352 – 286]
during therapy	4,989	[4,794 – 5,178]	5,229	[5,032 – 5,416]	240	[-19 – 501]
after therapy	3,344	[3,136 – 3,537]	3,364	[3,188 – 3,530]	20	[-245 – 310]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-1,240	[-1,498 – -1,000]	-953	[-1,194 – -692]	287	[-78 – 637]
after – before	-2,885	[-3,148 – -2,619]	-2,819	[-3,076 – -2,549]	66	[-311 – 461]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S10 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time for the unmatched samples

Outcome	BT (N = 19,280)		PDT (N = 14,537)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
Sick leave days					Rate-difference	95%-CI ²
before therapy	34.51	[33.82 – 35.20]	35.04	[34.23 – 35.87]	0.52	[-0.53 – 1.57]
during therapy	36.79	[35.92 – 37.63]	39.73	[38.64 – 40.72]	2.93	[1.52 – 4.30]
after therapy	20.32	[19.81 – 20.83]	20.94	[20.33 – 21.51]	0.62	[-0.17 – 1.39]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	2.28	[1.56 – 2.99]	4.69	[3.85 – 5.57]	2.41	[1.28 – 3.60]
after – before	-14.19	[-14.92 – -13.47]	-14.10	[-14.92 – -13.25]	0.09	[-1.00 – 1.24]
Sick leave days with coded mental disorders					Rate-difference	95%-CI ²
before therapy	21.26	[20.65 – 21.80]	21.17	[20.47 – 21.86]	-0.09	[-0.99 – 0.82]
during therapy	25.92	[25.07 – 26.70]	28.60	[27.55 – 29.51]	2.68	[1.41 – 4.01]
after therapy	9.59	[9.17 – 10.00]	9.77	[9.27 – 10.26]	0.18	[-0.47 – 0.79]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	4.67	[3.97 – 5.36]	7.43	[6.64 – 8.24]	2.77	[1.73 – 3.81]
after – before	-11.67	[-12.32 – -11.03]	-11.40	[-12.26 – -10.67]	0.27	[-0.79 – 1.22]
Health care costs (EUR)					Rate-difference	95%-CI ²
before therapy	4,513	[4,389 – 4,621]	4,384	[4,288 – 4,472]	-128	[-272 – 29]
during therapy	4,199	[4,098 – 4,291]	4,301	[4,215 – 4,386]	102	[-24 – 234]
after therapy	2,620	[2,528 – 2,705]	2,545	[2,464 – 2,629]	-75	[-194 – 52]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-313	[-397 – -222]	-83	[-192 – 21]	230	[83 – 368]
after – before	-1,893	[-1,981 – -1,791]	-1,840	[-1,937 – -1,731]	53	[-88 – 191]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S11 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for patients with psychological therapists**

Outcome	BT (N = 13,395)		PDT (N = 6,738)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	33.70	[32.89 – 34.50]	32.03	[30.91 – 33.11]	-1.67	[-3.02 – -0.37]
during therapy	35.42	[34.30 – 36.41]	35.05	[33.53 – 36.40]	-0.37	[-2.22 – 1.17]
after therapy	20.08	[19.49 – 20.68]	19.67	[18.82 – 20.47]	-0.41	[-1.52 – 0.63]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	1.71	[0.85 – 2.59]	3.01	[1.69 – 4.25]	1.30	[-0.31 – 2.80]
after – before	-13.63	[-14.48 – -12.78]	-12.37	[-13.54 – -11.15]	1.26	[-0.14 – 2.68]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	20.91	[20.20 – 21.53]	20.05	[19.06 – 20.96]	-0.86	[-1.99 – 0.29]
during therapy	25.09	[24.11 – 26.01]	24.54	[23.13 – 25.85]	-0.56	[-2.23 – 0.98]
after therapy	9.70	[9.16 – 10.18]	9.17	[8.44 – 9.86]	-0.52	[-1.40 – 0.33]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	4.19	[3.36 – 5.03]	4.48	[3.21 – 5.61]	0.30	[-1.24 – 1.68]
after – before	-11.21	[-11.97 – -10.48]	-10.88	[-11.93 – -9.87]	0.33	[-1.00 – 1.59]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	4,323	[4,211 – 4,419]	4,057	[3,913 – 4,178]	-266	[-423 – -100]
during therapy	4,062	[3,973 – 4,144]	3,993	[3,887 – 4,093]	-70	[-203 – 67]
after therapy	2,498	[2,411 – 2,590]	2,317	[2,187 – 2,424]	-182	[-340 – -36]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	-261	[-376 – -160]	-64	[-196 – 82]	197	[26 – 380]
after – before	-1,824	[-1,941 – -1,715]	-1,740	[-1,901 – -1,587]	85	[-106 – 279]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S12 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for patients with psychiatric therapists**

Outcome	BT (N = 562)		PDT (N = 4,004)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	35.43	[31.26 – 39.68]	37.87	[36.28 – 39.45]	2.44	[-1.90 – 6.78]
during therapy	48.45	[42.20 – 54.67]	44.26	[42.10 – 46.37]	-4.19	[-10.45 – 2.23]
after therapy	18.92	[15.98 – 21.78]	22.93	[21.56 – 24.12]	4.02	[1.03 – 7.17]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	13.02	[7.60 – 18.00]	6.39	[4.58 – 8.10]	-6.63	[-11.64 – -1.22]
after – before	-16.52	[-20.95 – -12.39]	-14.94	[-16.72 – -13.25]	1.58	[-2.90 – 6.44]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	23.54	[19.60 – 27.42]	23.74	[22.38 – 25.04]	0.20	[-3.84 – 4.35]
during therapy	36.84	[30.73 – 42.96]	33.06	[31.01 – 35.04]	-3.78	[-10.04 – 2.51]
after therapy	7.95	[5.92 – 9.70]	11.74	[10.79 – 12.74]	3.79	[1.77 – 6.08]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	13.30	[7.95 – 18.51]	9.32	[7.60 – 10.92]	-3.98	[-9.07 – 1.39]
after – before	-15.59	[-19.25 – -11.99]	-12.00	[-13.39 – -10.54]	3.59	[-0.43 – 7.80]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	4,605	[4,094 – 5,084]	4,744	[4,564 – 4,939]	139	[-352 – 676]
during therapy	4,869	[4,294 – 5,377]	4,712	[4,505 – 4,912]	-156	[-721 – 459]
after therapy	2,404	[2,014 – 2,761]	2,805	[2,630 – 2,970]	401	[2 – 821]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	264	[-339 – 855]	-32	[-271 – 197]	-295	[-903 – 354]
after – before	-2,201	[-2,726 – -1,675]	-1,939	[-2,175 – -1,720]	262	[-316 – 830]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S13 – Sick leave days (overall and with coded mental disorders) and health care costs before, during, and after therapy in comparison between patients who received behavioural psychotherapy (BT) and psychodynamic therapy (PDT) as well as comparison over time **for patients with other therapists**

Outcome	BT (N = 573)		PDT (N = 3,788)		Comparison	
	Rate ¹	95%-CI ²	Rate ¹	95%-CI ²		
<i>Sick leave days</i>					Rate-difference	95%-CI ²
before therapy	30.85	[27.27 – 34.45]	37.44	[35.78 – 39.20]	6.59	[2.48 – 10.63]
during therapy	37.41	[32.13 – 42.71]	42.78	[40.73 – 45.01]	5.38	[-0.13 – 10.99]
after therapy	19.97	[17.10 – 22.84]	21.13	[19.94 – 22.25]	1.16	[-2.12 – 4.22]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	6.56	[2.21 – 11.31]	5.34	[3.51 – 7.28]	-1.22	[-6.00 – 3.47]
after – before	-10.88	[-14.79 – -7.07]	-16.32	[-18.03 – -14.60]	-5.44	[-9.61 – -1.23]
<i>Sick leave days with coded mental disorders</i>					Rate-difference	95%-CI ²
before therapy	19.03	[15.75 – 22.17]	22.94	[21.58 – 24.30]	3.91	[0.49 – 7.43]
during therapy	27.87	[23.14 – 32.80]	31.92	[29.97 – 34.12]	4.05	[-1.36 – 9.45]
after therapy	9.61	[7.26 – 11.99]	10.15	[9.17 – 11.09]	0.54	[-2.10 – 3.10]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	8.84	[4.91 – 13.16]	8.98	[7.21 – 10.68]	0.13	[-4.34 – 4.54]
after – before	-9.42	[-12.93 – -6.15]	-12.79	[-14.33 – -11.40]	-3.38	[-7.25 – 0.49]
<i>Health care costs (EUR)</i>					Rate-difference	95%-CI ²
before therapy	4,307	[3,840 – 4,776]	4,586	[4,400 – 4,774]	278	[-240 – 770]
during therapy	4,390	[3,990 – 4,759]	4,381	[4,221 – 4,545]	-9	[-421 – 436]
after therapy	2,473	[2,153 – 2,745]	2,676	[2,510 – 2,832]	204	[-135 – 552]
<i>Difference over time</i>					DiD	95%-CI ²
during – before	82	[-481 – 600]	-205	[-401 – -4]	-287	[-835 – 346]
after – before	-1,835	[-2,324 – -1,339]	-1,909	[-2,129 – -1,707]	-75	[-623 – 456]

BT = Behavioural psychotherapy, PDT = Psychodynamic therapy, DiD = Difference in rate-differences over time.

¹ Rates were calculated by dividing the sum of sick leave days or health care costs over the total person time in years. ² 95%-Confidence intervals were calculated by the bootstrap method with 1000 replications.

Table S14 – STROBE Statement – Checklist

	Item No	Recommendation	Page No
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	1,2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	3
Objectives	3	State specific objectives, including any prespecified hypotheses	3
Methods			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4,5
Participants	6	(a) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up	4, Figure 1
		(b) For matched studies, give matching criteria and number of exposed and unexposed	5, Table 1
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	5,6
Data sources/measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	5,6
Bias	9	Describe any efforts to address potential sources of bias	5,6
Study size	10	Explain how the study size was arrived at	4,5
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	5,6
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	5,6
		(b) Describe any methods used to examine subgroups and interactions	6
		(c) Explain how missing data were addressed	4-6
		(d) If applicable, explain how loss to follow-up was addressed	6
		(e) Describe any sensitivity analyses	6
Results			
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	7, Figure 1
		(b) Give reasons for non-participation at each stage	Figure 1
		(c) Consider use of a flow diagram	Figure 1
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	7, Table 1
		(b) Indicate number of participants with missing data for each variable of interest	n/a
		(c) Summarise follow-up time (eg, average and total amount)	7,8, Table 2
Outcome data	15*	Report numbers of outcome events or summary measures over time	7,8, Table 2
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	7,8, Table 2
		(b) Report category boundaries when continuous variables were categorized	n/a
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	n/a
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	8
Discussion			
Key results	18	Summarise key results with reference to study objectives	9
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	10,11

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	9,10
Generalisability	21	Discuss the generalisability (external validity) of the study results	10,11
Other information			
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	12

*Give information separately for exposed and unexposed groups.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at <http://www.plosmedicine.org/>, Annals of Internal Medicine at <http://www.annals.org/>, and Epidemiology at <http://www.epidem.com/>). Information on the STROBE Initiative is available at <http://www.strobe-statement.org>.