

Table measurement instruments The Netherlands Study of Depression and Anxiety (NESDA)



- T0 = Baseline or Wave 1 2004-2007 n=2981
- FU1 or Wave 2 = Follow-up one year after baseline* 2005-2008 n=2445
- FU2 or Wave 3 = Follow-up 2years after baseline 2006-2009 n=2596
- FU4 or Wave 4 = Follow-up 4 years after baseline 2008-2011 n=2402
- FU6 or Wave 5 = Follow-up 6 years after baseline 2010-2013 n=2256
- FU9 or Wave 6 = Follow-up 9 years after baseline 2013-2016 n=2069 & n=367 siblings
- FU13 or Wave7= Follow-up 13 years after baseline 2019-2022

**Wave 2 = only written questionnaire*

Data can only be requested with a NESDA analysis plan. For questions about the availability of data: datamanagement@ggzingeest.nl

SR = self-report

Int = interview

GP = data collection through GP records

Blood = data collection via fasting blood sample

CT = computer task

ME = medical examination

NESDA respons data: at request (N1_Z000-N1_Z070)

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Topic	Instrument	Code Datadoc	Method	T0 B	FU1 W2	FU2 W3	FU4 W4	FU6 W5	FU9 W6	Sibs	Fu13 W7
Demographics, work and social environment											
Age, gender, ethnicity, education	Standard questions	N1_x100	Int	X	-	-	-	-	-	X	-
Partner, household status, marriage, sexual preference	Standard questions	N1_x101	Int	X	-	X	X	X	X	X	X
Work productivity	TIC-P work	N1_x102	Int	X	X	X	X	X	X	X	X
Partner characteristics	Standard questions	N1_x103	Int	X	-	X	X	X	X	X	X
Living situation, moving house	Standard questions	N1_x104	Int	X	-	X	X	X	X	X	X
Parents and family	Standard questions	N1_x105	Int	X	-	X	X	X	X	X	X
Socioeconomic status	Income	N1_x106	Int	X	-	X	X	X	X	X	X
Religion	Standard questions	N1_x108	SR	X	-	-	-	-	-	-	-
Work content/environment	Karasek questionnaire	N1_x109	Int	X	-	-	-	-	-	-	X
Family tree	Stamboom	N1_x110	Int	X	-	-	-	-	-	-	-
Children and household	Standard questions	N1_x111	Int	X	-	-	-	-	-	-	-
Differences in upbringing	Siblings	N1_x115	SR	-	-	-	-	-	X	X	-
Relationship with mother	Parental Bonding Inventory (PBI)	N1_x116	SR	-	-	-	-	-	X	X	-
Relationship with father	Parental Bonding Inventory (PBI)	N1_x117	SR	-	-	-	-	-	X	X	-
Interpersonal relationships	IIP	N1_x118	SR						X	X	X
Social support	Close Person Inventory (CPI)	N1_x239	SR	X	-	X	-	-	-	-	-
Close relationships	Experiences in Close Rel. (ESR)	N1_x119	SR						X	X	-
Relationships	Dyadic Adjustment Scale	N1_x120	SR						X	X	-
Sibling inventory	Standard questions	N1_x121	Int	-	-	-	-	-	X	-	-
SES during childhood	Lifebrain questions		SR	-	-	-	-	-	-	-	X
Inventory mobile phone use	Standard questions		Int	-	-	-	-	-	X	X	-
Kids	MARIO questions about kids		Int	-	-	-	-	-	-	-	X

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Lifestyle and health behavior											
Smoking and nicotine dependence	Past + current smoking, Fagerstrom	N1_x200	SR/Int	X	-	X	X	X	X	X	X
Drug use	Soft and hard drugs	N1_x201	SR	X	-	X	X	X	X	X	X
Severity of alcohol disorder	Audit	N1_x202	SR	X	-	X	X	X	X	X	X
Social & free time activity	Standard questions	N1_x204	SR	X	-	X	X	X	X	X	X
Sleep	Insomnia Rating Scale	N1_x205	Int/SR	X	-	X	X	X	X	X	X
Physical activity	IPAQ questionnaire	N1_x206	SR	X	-	X	X	X	X	X	X
Morning-eveningness	Munich Chronotype Quest MCQ	N1_x207	SR	-	-	X	-	-	Xb	Xb	-
Social contact and leisure time/sport	Standard questions	N1_x211	SR	-	-	-	X	X	X	X	X
Emotional eating	Dutch eating behavior q DEBQ	N1_x249	SR	-	-	-	-	-	X	-	-
Food intake	Food Frequency FFQ	N1_x276	SR	-	-	-	-	-	X	-	-
Weight and eating behavior	Gewicht en eetgedrag	N1_x277	Int	-	-	-	-	-	X	-	-
Psychology and personality											
Borderline features	PAI-BOR	N1_x212	SR	-	-	-	-	X	-	X	-
Repetitive Neg Thinking	Persevative Thinking Q	N1_x213	SR	-	-	-	-	X	X	-	-
Apathy	Apathy Scale (Starkstein)	N1_x214	SR	-	-	-	-	X	-	-	-
Social behavior	Social desirability from LASA	N1_x215	SR	-	-	-	-	X	-	-	-
Type D personality	DS14 (Denollet)	N1_x216	SR	-	-	-	-	X	-	-	-
Happiness	Happiness sc. Veenhoven	N1_x217	SR	-	-	-	-	X	X	X	X
Anger	Anger attacks questionnaire	N1_x219	Int	-	-	-	X	-	-	-	-
	Spielburger state+trait anger sc STAS	N1_x220	SR	-	-	-	X	-	-	Xb	-
Behavioral inhibit/approach	BIS/BAS	N1_x221	SR	-	-	-	X	-	-	-	-
Sensation seeking	Brief Sensation Seeking Scale	N1_x222	SR	-	-	-	X	-	-	-	-
Optimism	Life Orientation Test-R LOT-R	N1_x223	SR	-	-	-	X	-	-	-	X
Antisocial Personality	Personality Diagnostic Q PDQ-4	N1_x224	SR	-	-	-	X	-	-	-	-
ADHD	Conner ADHD rating CAARS-S	N1_x225	SR	-	-	-	X	-	-	X	-
Dimensional categorization	Mood & anxiety sympt quest MASQ	N1_x226	SR	X	X	X	X	X	-	-	-

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Anxiety cognitions	Anxiety sensitivity index ASI	N1_x227	SR	X	-	X	-	-	X	X	X
Depression cognitions	LEIDS questionnaire	N1_x228	SR	X	-	X	Xb	Xb	Xb	Xb	-
Loneliness	de Jong-Gierveld loneliness scale	N1_x230	SR	X	-	X	-	-	-	-	X
Affiliation	van Tilburg scale	N1_x231	SR	X	-	X	-	-	-	-	-
General distress (klachten)	4-dimensional symptom question 4dki	N1_x232	SR	X	-	X	-	-	-	-	-
Worry	Penn State Worry Scale PSWQ	N1_x233	SR	X	-	X	X	X	X	X	X
Locus of control	Pearlin & Schooler mastery scale	N1_x234	SR	X	-	X	X	X	X	X	X
Daily Hassles	Daily Hassles questionnaire	N1_x237	SR	X	-	X	-	-	-	-	-
Personality	NEO-FFI questionnaire	N1_x240	SR	X	-	X	Xa	-	-	X	X
Body image	Stunkard Figure Rating scale	N1_x275	SR	-	-	-	-	-	X	-	-
Experimental computer tasks	Exogene cueing task ECT	N1_x210	CT	-	-	X	X	-	-	-	-
	Implicit association test IAT	N1_x241 N1_x242	CT	X	-	X	-	-	-	-	-
	IAT II Self esteem	N1_x247	CT	-	-	-	-	X	X	X	-
	IAT III Social rank		CT	-	-	-	-	-	-	-	X
	Executive functioning (N-back)	N1_x208	CT	-	-	X	-	Xb	-	-	-
	AAT Approach-Avoidance task	N1_x209	CT	-	-	-	X	Xb	-	-	-
Cognitive tasks	Acceptance & Action Q. AAQ	N1_x246	SR	-	-	X	X	-	-	-	-
	Digit span WAIS-II	N1_x248	Int	-	-	-	-	X	-	-	X
Post-traumatic growth	PTGI short form		SR	-	-	-	-	-	-	-	X
Positive mental health	Mental Health Continuum-Short Form MHC-SF		SR	-	-	-	-	-	-	-	X
Meaning in life	Meaning in Life Q MLQ		SR	-	-	-	-	-	-	-	X
Patient perspective	Factor contributing to disease and health: patient perspective		Int	-	-	-	-	-	-	-	X
Sexual functioning	Arizona Sexual Experience (ASEX)		SR	-	-	-	-	-	-	-	X
Sexual distress	Sexual Distress Scale (SDS)		SR	-	-	-	-	-	-	-	X

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Psychopathology/psychiatry and life events											
Presence of MDD	CIDI: MDD, MinD, Dysth	N1_x256 N1_x257	Int	X	-	X	X	X	X	X	X
Postpartum depression	Edinburgh Postnatal Depr. Scale	N1_x218	Int	-	-	-	X	-	-	-	-
Presence of bipolar disorder	CIDI: bipolar	N1_x261 N1_x262	Int	-	-	X	X	X	X	X	X
Severity of depression											
- depressive symptoms	Inventory of depressive symptoms IDS	N1_x235	SR	X	X	X	X	X	X	X	X
- bipolar symptoms	Mood Disorder Questionnaire MDQ	N1_x229	SR	X	-	X	X	X	X	X	-
- suicidal ideation	Beck scale for suicide ideation	N1_x254	Int	X	-	X	X	X	X	X	X
Severity of anxiety											
- GAD/panic disorders	Beck anxiety index BAI	N1_x236	SR	X	X	X	X	X	X	X	X
- phobia disorders	Fear questionnaire	N1_x238	SR	X	X	X	X	X	X	X	X
- OCD	YASR questionnaire	N1_x263	SR	-	-	X	-	-	-	-	-
- OCD	OCI-R questionnaire		SR	-	-	-	-	-	-	-	X
Seasonality of symptoms	Seasonal Pattern of affect. sympt SPAQ	N1_x243	SR	-	X	X	-	-	Xb	-	-
Subtypes of depression	IDS factor analysis subscales	N1_x244		X	-	-	X	-	-	-	-
Subtypes of depression	Latent class analysis	N1_x245		X	-	-	-	-	-	-	-
Important life events	Brugha questionnaire	N1_x270	Int	X	X	X	X	X	X	X	X
Course of symptoms	Life-chart	N1_x271	Int	X	-	X	X	X	X	Xb	X
Childhood Trauma	NEMESIS questionnaire	N1_x252	Int	X	-	-	-	-	-	-	-
Childhood Trauma	Childhood Trauma Questionnaire JTV	N1_x273	SR	-	-	-	X	-	-	X	-
PTSS	PTSS-scale of complaints PSS-I	N1_x274	Int	-	-	-	X	-	-	-	-
Psychotic symptoms	CAPE (only positive symptoms)		SR	-	-	-	-	-	-	-	X

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Somatics, medication use and physical health											
Presence of 20 diseases	Self-report questions chronic diseases	N1_x250	Int	X	-	X	X	X	X	X	X
Pain	Chronic graded pain scale	N1_x251	Int	X	-	X	X	X	X	X	X
Migraine	Diagnostic criteria IHS	N1_x253	SR	X	-	-	-	-	-	-	-
Somatization symptoms	4-dimensional symptom question.4dki	N1_x255	SR	X	X	X	-	-	-	-	-
Menstrual cycle/pill use (females)	Standard questions	N1_x351	Int	X	-	X	X	X	X	X	X
Hair characteristics	Hair sample	N1_x353	Hair	-	-	-	-	X	X	X	-
Blood pressure	Systolic and diastolic BP	N1_x360	ME	X	-	X	X	X	X	X	X
Muscle strength	Grip strength assessment	N1_x361	ME	X	-	X	X	X	X	X	X
Pulmonary function	Peak flow measurement	N1_x362	ME	X	-	X	X	X	X	X	X
Change in health status	Sickness before interview	N1_x363	Int	-	X	X	X	X	X	-	X
Mortality	Information from proxies, GP		Proxy	-	X	X	X	X	X	-	X
Medication-treatment resistance	Treatment resistance questions		Int	-	-	-	-	-	-	-	X
Disability, health care use and health care attitude											
Patient evaluation of care	QUOTE 1 – importance of health care	N1_x300	SR	X	-	X	X	Xc	-	-	-
	QUOTE 2- experience with hc	N1_x301	SR	X	-	X	X	Xc	-	-	-
Attitude towards mental care	NIVEL questionnaire	N1_x302	SR	X	-	X	-	-	-	-	-
Need of care	Perceived need of care Q. PNCQ	N1_x303	Int	X	-	X	X	Xb	-	-	-
Disability severity	Disability severity (WHO-DAS II)	N1_x304	SR	X	X	X	X	X	X	X	X
Disability days	Disability days (WHO-DAS II)	N1_x306	Int	X	-	X	X	X	-	-	-
Health care use	TIC-P health care use	N1_x307	Int	X	-	X	X	X	X	X	X
GP registration data	General practitioner data	N2		X	-	-	-	-	-	-	-

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iomaterials											
Blood	Fasting blood sample	N1_x400	Blood	X	-	X	-	X	X	X	X
Blood markers		N1_x401	Blood	X	-	X	-	X	X	X	X
DNA/RNA	Information on storage	N1_x403	Blood	X	-	X	-	-	-	-	-
Gene-expression (RNA)	Before + after LPS-challenge		Blood	X	-	X	-	-	X	X	-
Inflammation	hsCRP/IL6 en TNF-a	N1_x404	Blood	X	-	X	-	X	X	X	-
Inflammation	Inflammation after LPS-challenge	N1_x414	Blood	X	-	-	-	-	-	-	-
BDNF	Brain Derived Neurothrophic Factor	N1_x405	Blood	X	-	-	-	-	-	-	-
Metabolic syndrome	Metabolic syndrome, derived	N1_x406		X	-	X	-	X	X	X	-
Kynurenine	Kynurenine	N1_x407	Blood	X	-	-	-	-	-	-	-
Immunohistochemie	Immunohistochemie	N1_x408	Blood	-	-	X	-	-	-	-	-
Kidney markers	Kidney markers	N1_x409	Blood	X	-	-	-	-	-	-	-
Nicotine marker	Cotinine	N1_x410	Blood	X	-	-	-	-	-	-	-
PTH en Vitamine D25	PTH en Vitamine D25	N1_x411	Blood	X	-	X	-	X	-	-	-
Telomere length	Telomere length	N1_x415	Blood	X	-	-	-	X	-	-	-
Sex hormones	Testost, E2, SHBG, DHEA-S	N1_x413	Blood	X	-	-	-	-	-	-	-
Leptine, IGF-1	Leptine, IGF-1	N1_x416	Blood	X	-	-	-	-	-	-	-
Metabolomics	Metabolomics	N1_x417	Blood	X	-	-	-	X	-	-	-
Oxidative damage	Oxidative damage (8-OHdG en F2-isoprostanen)	N1_x418	Blood	X	-	-	-	-	-	-	-
Proteomics	Proteomics	N1_x419	Blood	X	-	-	-	-	-	-	-
Cortisol from hair	Hair sample (cortisol only extracted in Wave 5)	N1_x420	Hair	-	-	-	-	X	X	X	-
Saliva	Saliva taken with swabs	N1_x490	Saliva	X	-	-	-	-	-	-	-
Saliva markers	Cortisol in saliva	N1_x491	Saliva	X	-	-	-	-	-	-	-
	Amylase in saliva	N1_x492	Saliva	X	-	-	-	-	-	-	-
	Testosterone in saliva	N1_x493	Saliva	X	-	-	-	-	-	-	-
Microbiome	Stool sample and questions		Stool/SR	-	-	-	-	-	-	-	X

a= only neuroticism an extraversion dimensions, b= shortened, c= only experience, not importance, d=extra medication questions on treatment resistance

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Add on studies NESDA (subsamples)

- GP data – Baseline. Datafiles N2 and N3.
- Brain imaging/fMRI scan – Baseline, W3, W6, W7. Datafiles N4.
- Impatient study Leiden – Baseline. Datafiles N5.
- Cardiovascular: atherosclerosis – Baseline. Datafiles N6.
- Alcohol fMRI – W4, Datafiles N7.
- Ecological Momentary Assessment (EMA) and actigraphy using smartphone and actiwatch – W6, Datafiles N8.
- GECCO: Neighborhood characteristics / GEO data GECCO – W6, Datafiles N9.
- Siblings: W6 (add-on study)
- Microbiome: W7
- MARIO : Mood and Resilience in Offspring: W7
- RADAR CNS-MDD: W7

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GP data/huisartsen (general practitioners)											
GP registration data	Identification GP	N2_x001	GP	X	-	-	-	-	-	-	-
	Consults and diagnoses	N2_x002	GP	X	-	-	-	-	-	-	-
	ATC medication	N2_x003	GP	X	-	-	-	-	-	-	-
	Transferrals/verwijzingen	N2_x004	GP	X	-	-	-	-	-	-	-
Information GP's	GP questionnaire (huisartsenvragenlijst)	N3	GP	X	-	-	-	-	-	-	-
Add-on studies in subsamples											
fMRI brain imaging	Scan data	N4_x000		X	-	X	-	-	X	X	X
	Administration	N4_x001		X	-	X	-	-	X	X	X
	IDS – depressive symptoms	N4_x002	SR	X	-	X	-	-	X	X	X
	BAI – Beck Anxiety Index	N4_x003	SR	X	-	X	-	-	X	X	X
	Fear Questionnaire	N4_x004	SR	X	-	X	-	-	-	-	-
	MADRS –depression rating scale	N4_x005	SR	X	-	X	-	-	-	-	-
	VAS (state anxiety)	N4_x006	SR	X	-	X	-	-	-	-	-
	Hand preference	N4_x007	SR	X	-	-	-	-	-	-	-
	LSAS, BSQ, AGO, ACQ, POL	N4_008-12	SR	X	-	-	-	-	-	-	-
	CFQ Broadbent	N4_x013	SR	-	-	X	-	-	-	-	-
	PANAS –pos&neg affect	N4_x014	SR	-	-	-	-	-	X	X	-
Inpatient study	Subsample of inpatients in LUMC	N5	Int/SR	X	-	-	-	-	-	-	-
Cardiovascular / Hart en vaat	Interview date	N6_x000	ME	X	-	-	-	-	-	-	-
	Carotid atherosclerosis	N6_x100	ME	X	-	-	-	-	-	-	-
	Arterial stiffness	N6_101	ME	X	-	-	-	-	-	-	-
Alcohol fMRI	Hand preference	N7_x002	SR	-	-	-	X	-	-	-	-
	IDS – depressive symptoms	N7_x003	SR	-	-	-	X	-	-	-	-
	BAI – Beck Anxiety Index	N7_x004	SR	-	-	-	X	-	-	-	-
	STAI-trait - Anger	N7_x005	SR	-	-	-	X	-	-	-	-
	STAI-state- Anger	N7_x006	SR	-	-	-	X	-	-	-	-
	Fagerstrom (smoking)	N7_x007	SR	-	-	-	X	-	-	-	-

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Alcohol fMRI	Drug use	N7_x008	SR	-	-	-	X	-	-	-	-
	AUDIT (alcohol)	N7_x009	SR	-	-	-	X	-	-	-	-
	BIS/BAS (behavior)	N7_x010	SR	-	-	-	X	-	-	-	-
	CIWA-AR –alcohol withdrawal	N7_x011	SR	-	-	-	X	-	-	-	-
	VAS (state anxiety)	N7_x012	SR	-	-	-	X	-	-	-	-
	DAQ-session 1 – alcohol craving	N7_x013	SR	-	-	-	X	-	-	-	-
	DAQ-session 2 - alcohol craving	N7_x014	SR	-	-	-	X	-	-	-	-
	Stress-scale	N7_x015	SR	-	-	-	X	-	-	-	-
	ADHD	N7_x016	SR	-	-	-	X	-	-	-	-
	Sensation seeking scale	N7_x017	SR	-	-	-	X	-	-	-	-
	Motivation	N7_x018			-	-	-	X	-	-	-
	Physical symptoms										
	EMA	Ecological Momentary Assessment dagboekstudie	N8_x001R	phone	-	-	-	-	-	X	X
Part A: diary/mood items		N8_001A	phone	-	-	-	-	-	X	X	-
Part B: location and company		N8_001B	phone	-	-	-	-	-	X	X	-
Part C: sleep, pleasure, activiteis, smoking, coffee, alcohol, food		N8_001C	phone	-	-	-	-	-	X	X	-
Part A & B		N8_x001AB	phone	-	-	-	-	-	X	X	-
Part A & C		N8_x001AC	phone	-	-	-	-	-	X	X	-
Part B & C		N8_x001BC	phone	-	-	-	-	-	X	X	-
Evaluation questions EMA		N8_x002	phone	-	-	-	-	-	X	X	-
Actigraphy	Actigraphy data day and night	N8_x003	watch	-	-	-	-	-	X	X	-
Neighborhood characteristics	Socio-economic status	N9_x001	GEO	-	-	-	-	-	X	X	-
	House value	N9_x002	GEO	-	-	-	-	-	X	X	-
	Social security payments	N9_x003	GEO	-	-	-	-	-	X	X	-
	Immigrants	N9_x004	GEO	-	-	-	-	-	X	X	-
	Noise (road rail and air traffic)	N9_x005	GEO	-	-	-	-	-	X	X	-
	Air pollution	N9_x006	GEO	-	-	-	-	-	X	X	-
	Livability	N9_x007	GEO	-	-	-	-	-	X	X	-