

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



- T0 = Baseline or Wave 1
  - FU1 or Wave 2 = Follow-up one year after baseline\*
  - FU2 or Wave 3 = Follow-up 2years after baseline
  - FU4 or Wave 4 = Follow-up 4 years after baseline
  - FU6 or Wave 5 = Follow-up 6 years after baseline
  - FU9 or Wave 6 = Follow-up 9 years after baseline
- 2004-2007 n=2981  
 2005-2008 n=2445  
 2006-2009 n=2596  
 2008-2011 n=2402  
 2010-2013 n=2256  
 2013-2016 n=2069 & n=369 siblings

\*Wave1=only written questionnaire

**Table 1: Collected information on central (mental) health outcomes in NESDA**

Topic	Instrument	Method	T0 W1	FU1 W2	FU2 W3	FU4 W4	FU6 W5	FU9 W6	Sibling
<b>Psychopathology</b>									
Presence of MDD	CIDI: MDD, MinD, Dysth	Int	X	-	X	X	X	X	X
Presence of bipolar dis	CIDI: bipolar	Int	-	-	X	X	x	X	X
Presence of anxiety dis	CIDI: SocPhob, Agora, GAD, PA	Int	X	-	X	X	X	X	X
Presence of alcohol dis	CIDI: alcohol abuse and dep	Int	X	-	X	X	X	X	X
Severity of depression									
- depressive symptoms	Inventory of depressive symptoms	SR	X	X	X	X	X	X	X
- bipolar symptoms	Mood Disorder Questionnaire	SR	X	-	X	X	X	X	X
- suicidal ideation	Beck scale for suicide ideation	Int	X	-	X	X	X	X	X
Severity of anxiety									
- GAD/panic disorders	Beck anxiety index	SR	X	X	X	X	X	X	X
- phobia disorders	Fear questionnaire	SR	X	X	X	X	X	X	X
- OCD	YASR questionnaire	SR	-	-	X	-	-	-	-
Severity of alcohol disorder									
- alcohol dis. symptoms	Audit	SR	X	-	X	X	X	X	X
Dimensional categorization									
General distress	Mood & anxiety symptoms quest	SR	X	X	X	X	X	-	-
Somatization symptoms	4-dimensional symptom question.	SR	X	-	X	-	-	-	-
Seasonality of symptoms	4-dimensional symptom question.	SR	X	X	X	-	-	-	-
Morning-eveningness	Seasonal Pattern of affect. sympt	SR	-	X	X	-	-	Xb	-
	Munich Chronotype Questionnaire	SR	-	-	X	-	-	Xb	Xb
Course of symptoms									
Postpartum depression	Life-chart	Int	X	-	X	X	X	X	Xb
PTSS	Edinburgh Postnatal Depr. Scale	Int	-	-	-	X	-	-	-
	PTSS-scale of complaints PSS-I	Int	-	-	-	X	-	-	-
<b>(Public) Health consequences</b>									
Disability severity	WHO-DAS II	SR	X	X	X	X	X	X	X
Disability days	Disability days (WHO-DAS II)	Int	X	-	X	X	X	-	-
Work productivity	TIC-P work	Int	X	X	X	X	X	X	X
Health care use	TIC-P health care use	Int	X	-	X	X	X	X	X
	GP registration data	GP	-	X	-	-	-	-	-
Medication use	Drug container observation	Int	X	X	X	X	X	X	X
	GP registration data	GP	-	X	-	-	-	-	-
Side effect medication	-	Int	-	X	X	X	X	X	-
Somatic diseases	Presence + symptoms of disease	Int	X	-	X	X	X	X	X
	GP registration data	GP	X	-	-	-	-	-	-
Mortality	Information from proxies, GP	Proxy	-	X	X	X	X	X	-

**Table 2: Collected information on important determinants of (mental) health outcomes in NESDA**

Topic	Instrument	Method	T0 B	FU1 W2	FU2 W3	FU4 W4	FU6 W5	FU9 W6	Sibling
<b>Demographics</b>									
Age, gender, ethnicity	Standard questions	Int	X	-	-	-	-	-	X
Partner + household status	Standard questions	Int	X	X	X	X	X	X	X
Socioeconomic status	Education, income, occupation	Int	X	-	X	X	X	X	X
Inventory mobile phone use	Standard questions	Int						X	X
<b>Personal history</b>									
Important neg life events	Brugha questionnaire	Int	X	X	X	X	X	X	X
Important pos life events	-	Int	-	X	X	X	X	X	X
Childhood Trauma	NEMESIS questionnaire	Int	X	-	-	-	-	-	-
Childhood Trauma	Childhood Trauma Questionnaire	SR	-	-	-	X	-	-	X
Daily Hassles	Daily Hassles questionnaire	SR	X	-	X	-	-	-	-
Different circumstances target-sib	Specific questions	Int						X	X
<b>Psychosocial function</b>									
Social support	Close Person Inventory	SR	X	-	X	-	-	-	X
Social & free time activity	Standard questions	SR	X	-	X	X	X	X	X
Interpersonal relationships	IIP	SR						X	X
	Dyadic Adjustment Scale	SR						X	-
	Experiences in Social Relat.	SR						X	X
Parental Bonding Inventory	Parker	SR						X	X
Work content/environment	Karasek questionnaire	Int	X	-	-	-	-	-	-
Loneliness	deJong-Gierveld loneliness scale	SR	X	-	X	-	-	-	-
Affiliation	Van Tilburg scale	SR	X	-	X	-	-	-	-
Personality	NEO-FFI questionnaire	SR	X	-	X	Xa	-	-	X
Locus of control	Pearlin & Schooler mastery scale	SR	X	-	X	X	X	X	X
Worry	Penn State Worry Scale	SR	X	-	X	X	X	X	X
Anxiety cognitions	Anxiety sensitivity index	SR	X	-	X	-	-	X	X
Depression cognitions	LEIDS questionnaire	SR	X	-	X	Xb	Xb	Xb	Xb
Anger	Spielburger state+trait anger sc	SR	-	-	-	X	-	-	Xb
	Anger attacks questionnaire	Int	-	-	-	X	-	-	-
Optimism	Life Orientation Test-R (LOT-R)	SR	-	-	-	X	-	-	-
Antisocial Personality	Personality Diagnostic Q (PDQ-4)	SR	-	-	-	X	-	-	-
ADHD	Conner ADHD rating (CAARS-S)	SR	-	-	-	X	-	-	X
Social behavior	Social desirability	SR	-	-	-	-	X	-	-
Experimental cognitive task	Implicit association test (IAT)	CT	X	-	X	-	-	-	-
	Exogene cueing task (ECT)	CT	-	-	X	X	-	-	-
	Executive function (N-back)	CT	-	-	X	-	Xb	-	-
	Approach-avoidance task (AAT)	CT	-	-	-	X	Xb	-	-
	IAT II Self esteem	CT	-	-	-	-	X	X	X
	Acceptance & Action Q. (AAQ)	SR	-	-	X	X	-	-	-
Cognition	Digit span	Int	-	-	-	-	X	-	-
Subsample fMRI	Structural and functional MRI	MRI	X	-	X	-	-	X	X
Experiential avoidance	Experiential avoidance scale	SR	-	-	-	X	-	-	-
Sensation seeking	Brief Sensation Seeking Scale	SR	-	-	-	X	-	-	-

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Behavioral inhibit/approach	BIS/BAS	SR	-	-	-	X	-	-	-
Borderline features	PAI-BOR	SR	-	-	-	-	X	-	X
Repetitive Neg Thinking	Persevative Thinking Q	SR	-	-	-	-	X	X	-
Apathy	Apathy Scale (Starkstein)	SR	-	-	-	-	X	-	-
Type D personality	DS14 (Denollet)	SR	-	-	-	-	X	-	-
Happiness	Happiness sc. Veenhoven	SR	-	-	-	-	X	X	X
<b>Health care attitude</b>									
Need of care	Perceived need of care Q.	Int	X	-	X	X	Xb	-	-
Patient evaluation of care	QUOTE questionnaire	SR	X	-	X	X	Xc	-	-
Attitude towards mental care	NIVEL questionnaire	SR	X	-	X	-	-	-	-
<b>Health behavior</b>									
Regular alcohol intake	Drinking behavior questions	SR	X	-	X	X	X	X	X
Drugs	Soft and hard drugs	SR	X	-	X	X	X	X	X
Smoking	Past + current smoking	SR/Int	X	-	X	X	X	X	X
Nicotine dependence	Fagerstrom questionnaire	Int	X	-	-	-	X	-	X
Benzodiazepine dep.	Bendep SRQ	Int	X	-	X	X	X	-	-
Physical activity	IPAQ questionnaire	SR	X	-	X	X	X	X	X
Weight and eating behavior	Gewicht en eetgedrag	Int						X	-
Emotional eating	Dutch eating behavior q	SR						X	-
Food intake	FFQ	SR						X	-
<b>(Biological) health</b>									
Presence of 20 diseases	Standard self-report questions	Int	X	-	X	X	X	X	X
	GP medical records	GP	-	X	-	-	-	-	-
	Change in health status	Int	-	X	X	X	X	X	-
Pain	Chronic graded pain scale	Int	X	-	X	X	X	X	X
Migraine	Diagnostic criteria for migraine of the IHS	SR	X	-	-	-	-	-	-
Sleep	Insomnia Rating Scale	Int/SR	X	-	X	X	X	X	X
Pulmonary function	Peak flow measurement	ME	X	-	X	X	X	X	X
Muscle strength	Grip strength assessment	ME	X	-	X	X	X	X	X
Biomarkers/	Fasting blood sample	Blood	X	-	X	-	X	X	X
Body composition	Weight, height, waist+ hip circumf	ME	X	-	X	X	X	X	X
Blood pressure	Systolic and diastolic BP	ME	X	-	X	X	X	X	X
Peripheral atherosclerosis	Doppler of ankle-arm index	ME	X	-	X	X	X	X	-
Autonomic nervous system	Electro + impedance cardiography	ME	X	-	X	-	X	X	-
HPA-axis (salivary cortisol)	7 saliva samples, incl DST test	Sali	X	-	-	-	-	-	-
HPA-axis (cortisol in hair)	Hair sample	Hair	-	-	-	-	X	X	X
Family history	Family tree inventory	Int	X	-	-	-	-	X	-
DNA/lymphocytes	Full blood	Blood	X	-	X	-	X	X	X
Gene-expression (RNA)	Before + after LPS-challenge	Blood	X	-	X	-	-	X	X

SR=self-report, Int=interview, GP=data collection through GP records, Blood=data collection via fasting blood sample, CT=computer task, ME=medical examination, fMRI=questions/tasks during fMRI scan (subsample)

a= only neuroticism an extraversion dimensions

b= shortened

c= only experience, not importance

\*=Insomnia Rating Scale in FU6 in questionnaire instead of interview