

Risk of severe mood and anxiety disorders in the adult children of parents with alcohol use disorder: a nationwide cohort study

SUPPLEMENTARY TABLES

Supplementary table 1. ICD-10, ICD-9, and ICD-8 codes used to define alcohol use disorder

International and Swedish ICD-10 [1-4]	International ICD-9 [4-10]	Swedish ICD-9 [11, 12]	International ICD-8 [4, 13-16]	Swedish ICD-8 [17]
E24.4 Alcohol-induced pseudo-Cushing syndrome	291.0 Delirium tremens	291A Delirium tremens	291.0 Delirium tremens	261 Beriberi alcoholic*
F10 Mental and behavioral disorders due to use of alcohol	291.1 Korsakov's psychosis, alcoholic	291B Korsakovs psykos, alkoholbetingad	291.1 Korsakov's psychosis (alcoholic)	262 Pellagra alcoholic*
G31.2 Degeneration of nervous system due to alcohol	291.2 Other alcoholic dementia	291C Alkoholbetingad demens annan än 291A-B	291.2 Other alcoholic hallucinosis	291,00 Delirium tremens
G62.1 Alcoholic polyneuropathy	291.3 Other alcoholic hallucinosis	291D Alkoholhallucinos	291.3 Alcoholic paranoia	291,10 Psychosis korsakow (alcoholica)
G72.1 Alcoholic myopathy	291.4 Pathological drunkenness	291E Patologiskt alkoholrus	291.9 Other and unspecified alcoholic psychoses	291,20 Hallucinosis alcoholica alia
I42.6 Alcoholic cardiomyopathy	291.5 Alcoholic jealousy	291F Patologisk svartsjuka [related to alcohol use]	303.0 Episodic excessive drinking	291,30 Paranoia alcoholica
K29.2 Alcoholic gastritis	291.8 Other alcoholic psychosis	291W Specificerad alkoholpsykos annan än 291A-F	303.1 Habitual excessive drinking	291,98 Psychosis alcoholica alia definita
K70 Alcoholic liver disease	291.9 Alcoholic psychosis, unspecified	291X Alkoholpsykoser, ospecificerade	302.2 Alcohol addiction	291,99 Psychosis alcoholica nud
K85.2 Alcohol-induced acute pancreatitis	305.0 Nondependent abuse of alcohol	305A Alkoholmissbruk	303.9 Other and unspecified alcoholism	303,00 Alcoholismus episodicus
K86.0 Alcohol-induced chronic pancreatitis	303 Alcohol dependence syndrome	303X Alkoholberoende	571.0 Cirrhosis of liver, Alcoholic	303,10 Alcoholismus habitualis
O35.4 Maternal care for (suspected) damage to fetus from alcohol	357.5 Alcoholic polyneuropathy	357F Alkoholpolyneuropati		303,20 Alcoholismus chronicus ("alcoholic addiction") (dipsomania)
	475.8 Alcoholic cardiomyopathy	425F Alkoholkardiomyopati		303,98 Alcoholismus alius definitus
	535.3 Alcoholic gastritis	535D Gastrit orsakad av alkohol		303,99 Alcoholismus nud
	571.0 Alcoholic fatty liver	571A Alkoholfattlever		571,00 Cirrhosis hepatis cum alcoholism
	571.1 Acute alcoholic hepatitis	571B Akut alkoholhepatit		571,01 Degeneratio hepatica adiposa alcoholic
	571.2 Alcoholic cirrhosis of liver Laennec's cirrhosis	571C Levercirros orsakad av alkohol		
	571.3 Alcoholic liver damage, unspecified	571D Ospecificerad leverskada orsakad av alkohol		
	977.3 Poisoning by other and unspecified drugs and medicaments, Alcohol deterrents	977D Förgiftning med medel vid alkoholavvänjning		

Sweden follows the international version of the ICD-10 with few exceptions. None of these exceptions are relevant to the disorders presented in this table [18-20].

*Because they are alcohol-related diagnoses, Swedish ICD-8 codes 261 Beriberi alcoholic and 262 Pellagra alcoholic were retained in the analysis. Their international equivalents, ICD-8 code 261 Thiamine deficiency and 262 Niacin deficiency, are not alcohol-specific and are therefore not shown in the table [15].

Supplementary table 2. Mood [affective] disorders defined as ICD-10 codes F30-F39 and their historical equivalents

International and Swedish ICD-10 [2, 4]	International ICD-9[4, 6, 21]	Swedish ICD-9 [11, 12, 22]	International ICD-8 [4, 13]	Swedish ICD-8 [17, 23]
F30 Manic episodes	296 Affective psychoses	296A Unipolär affektiv psykos, mani	296 Affective psychoses	296 Affektiv psykos
F31 Bipolar affective disorder	298.0 Other nonorganic psychosis depressive type	296B Unipolär affektiv psykos, melankoli	298.0 Reactive depressive psychosis	298,00 Psychosis reactiva depressiva
F32 Depressive episode		296C Bipolär affektiv psykos, manisk fas		
F33 Recurrent depressive disorder	298.1 Other nonorganic psychosis, excitative type	296D Bipolär affektiv psykos, melankolisk fas	298.1 Reactive excitation	298,10 Psychosis reactiva excitativa
F34 Persistent mood [affective] disorders	300.4 Neurotic depression	296E Bipolär affektiv psykos, blandform	300.4 Depressive neurosis	300,40 Neurosis depressiva
F38 Other mood [affective] disorders]	301.1 Affective personality disorder	296W Specifierad affektiv psykos annan än 296A-E	301.1 Affective personality disorder	301,10 Persona pathologica affectiva
F39 Unspecified mood [affective] disorder	311 Depressive disorder, not elsewhere classified	296X Affektiv psykos, ospecificerad		
	313.1 Disturbance of emotion specific to childhood and adolescence, with misery and unhappiness	298A Reaktiv depressiv psykos		
		298B Reaktiv excitativ psykos		
		300E Neurotisk depression		
		301B Affektiv personlighetsstörning		
		311X Depressiva störningar som ej klassificeras annorstädes		
		313B Emotion störn hos barn o ungdom m nedstämdh o förtvivl		

Supplementary table 3. Neurotic, stress-related and somatoform disorders defined as ICD-10 codes F40-F48 and their historical equivalents

International and Swedish ICD-10 [2, 4]	International ICD-9 [4, 6]	Swedish ICD-9 [11, 12]	International ICD-8 [4, 13]	Swedish ICD-8 [23]
F40 Phobic anxiety disorders	300.0 Anxiety states	300A Ångestneuros	300.0 Anxiety neurosis	300,00 Neurosis angoris
F41 Other anxiety disorders	300.1 Hysteria	300B Hysteri	300.1 Hysterical neurosis	300,10 Neurosis hysterica
F42 Obsessive-compulsive disorder	300.2 Phobic state	300C Fobi	300.2 Phobic neurosis	300,20 Neurosis phobica
F43 Reaction to severe stress, and adjustment disorders [Incl. PTSD]	300.3 Obsessive-compulsive disorders	300D Tvångsneuros	300.3 Obsessive-compulsive neurosis	300,30 Neurosis obsessiva-compulsiva
F44 Dissociative [conversional] disorders	300.5 Neurasthenia	300F Neurasteni	300.5 Neurasthenia	300,50 Neurasthenia
F45 Somatoform disorders	300.6 Depersonalization syndrome	300G Depersonalisations-syndrom	300.6 Depersonalization syndrome	300,60 Neurosis cum syndrome depersonalisationis
F48 Other neurotic disorders	300.7 Hypochondriasis	300W Specificerad neuros annan än 300A-H	300.7 Hypochondriacal neurosis	300,70 Neurosis hypochondrica
	300.8 Other neurotic disorders	300X Neuros, ospecificerad	300.8 Other neuroses	300,88 Neurosis alia definita
	300.9 Unspecified neurotic disorder	306X Psykofysiologisk reaktion	300.9 Unspecified neuroses	300,99 Neurosis non ultra descriptus
	306 Physiological malfunction arising from mental factors	307W Psykalgi	305 Physical disorders of presumably psychogenic origin	305 Morbi psychosomatici
	307.8 Psychalgia	308X Katastrofreaktion	307 Transient situational disturbances [Incl. "Adjustment reaction of: adolescence, late life" and "Adult situational reaction, Combat fatigue, Gross stress reaction."] [13]	307,99 Perturbationes fortuitae psychogenes accidentales
	308 Acute reaction to stress	309 Krisreaktion		
	309 Adjustment reaction			

Several codes relevant to Neurotic, stress-related and somatoform disorders have been removed from the analysis: 1) ICD-9 code 300.4 can convert to one Neurotic, stress-related, and somatoform disorder but to several different ICD-10 Mood [affective] disorders. It was therefore analyzed in the Mood [affective] disorders category. 2) Although one source identifies code 308.4 Adjustment reaction of childhood as the potential equivalent of ICD-10 code F43 Reaction to severe stress, and adjustment disorders [4], other sources describe the code as more relevant to Behavioral and emotional disorders with onset usually occurring in childhood and adolescence [13, 24], so it is not included in the current analysis.

Note that ICD-10 code F42 Obsessive-compulsive disorder and its historical equivalents were retained in the category of Neurotic, stress-related and somatoform disorders even though obsessive-compulsive disorder is no longer classified as an anxiety disorder in the DSM-5 or the ICD-11.

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