

## Supplementary material ICD9 and ICD-10 codes used for alcoholism, alcohol-related liver disease and pancreatitis used in this study

- **Alcohol Use Disorder**
  - Any one or more of the alcoholism codes (A-E)
- A) Neuropsychiatric manifestations of Alcohol
  - 291.0 Delirium tremens
  - 291.1 Alcohol-induced persisting amnestic disorder
  - 291.2 Alcohol-induced persisting dementia
  - 291.3 Alcohol-induced psychotic disorders with hallucinations
  - 291.4 Pathologic alcohol intoxication
  - 291.5 Alcohol-induced psychotic disorder with delusions
  - 291.8 Other alcohol-induced mental disorders
  - 291.81 Alcohol withdrawal
  - 291.82 Alcohol induced sleep disorders
  - 291.89 Other specified alcohol-induced mental disorders
  - 291.9 Unspecified alcohol-induced mental disorders
  - 357.5 Alcoholic polyneuropathy
  - F10.14 Alcohol abuse with alcohol-induced mood disorder
  - F10.151 Alcohol abuse with alcohol-induced psychotic disorder with hallucinations
  - F10.159 Alcohol abuse with alcohol-induced psychotic disorder, unspecified
  - F10.180 Alcohol abuse with alcohol-induced anxiety disorder
  - F10.182 Alcohol abuse with alcohol-induced sleep disorder
  - F10.221 Alcohol dependence with intoxication delirium
  - F10.24 Alcohol dependence with alcohol-induced mood disorder
  - F10.25 Alcohol dependence with alcohol-induced psychotic disorder

- F10.259 Alcohol dependence with alcohol-induced psychotic disorder, unspecified
- F10.26 Alcohol dependence with alcohol-induced persisting amnesic disorder
- F10.27 Alcohol dependence with alcohol-induced persisting dementia
- F10.280 Alcohol dependence with alcohol-induced anxiety disorder
- F10.921 Alcohol use, unspecified with intoxication delirium
- F10.94 Alcohol use, unspecified with alcohol-induced mood disorder
- F10.950 Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions
- F10.951 Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations
- F10.959 Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified
- F10.96 Alcohol use, unspecified with alcohol-induced persisting amnesic disorder
- F10.97 Alcohol use, unspecified with alcohol-induced persisting dementia
- F10.982 Alcohol use, unspecified with alcohol-induced sleep disorder
- F10.980 Alcohol use, unspecified with alcohol-induced anxiety disorder
- G62.1 Alcoholic polyneuropathy
- Z65.8 Other specified problems related to psychosocial circumstances
- B) Toxic Effects of Alcohol not otherwise specified
  - 980.0 Toxic effect ethyl alcohol
  - 980.9 Toxic effect unspecified alcohol
  - T51.0X1A Toxic effect of ethanol, accidental (unintentional), initial encounter
  - T51.0X2A Toxic effect of ethanol, intentional self-harm, initial encounter
  - T51.0X3A Toxic effect of ethanol, assault, initial encounter

- T51.0X4A Toxic effect of ethanol, undetermined, initial encounter
- T51.91XA Toxic effect of unspecified alcohol, accidental (unintentional), initial encounter
- T51.92XA Toxic effect of unspecified alcohol, intentional self-harm, initial encounter
- T51.93XA Toxic effect of unspecified alcohol, assault, initial encounter
- T51.94XA Toxic effect of unspecified alcohol, undetermined, initial encounter
- T51.91 Toxic effect of unspecified alcohol, accidental (unintentional)
- T51.92 Toxic effect of unspecified alcohol, intentional self-harm
- T51.93 Toxic effect of unspecified alcohol, assault
- T51.94 Toxic effect of unspecified alcohol, undetermined
- C) Sexual manifestations of alcohol
  - F10.181 Alcohol abuse with alcohol-induced sexual dysfunction
  - F10.281 Alcohol dependence with alcohol-induced sexual dysfunction
- D) Cardiac manifestations of alcohol
  - 425.5 Alcoholic cardiomyopathy
- E) Alcohol use disorder
  - 303.0 Acute alcohol intoxication
  - 303.00 Acute alcohol intoxication-unspecified
  - 303.01 Acute alcohol intoxication-continuous
  - 303.02 Acute alcohol intoxication-episodic
  - 303.03 Acute alcohol intoxication-remission
  - 303.9 Alcohol dependence NEC/NOS
  - 303.90 Alcohol dependence NEC/NOS-unspecified
  - 303.91 Alcohol dependence NEC/NOS-continuous
  - 303.92 Alcohol dependence NEC/NOS-episodic
  - 303.93 Alcohol dependence NEC/NOS-remission

- 305.0 Alcohol abuse
- 305.00 Alcohol abuse-unspecified
- 305.01 Alcohol abuse-continuous
- 305.02 Alcohol abuse-episodic
- F10.10 Alcohol abuse uncomplication
- F10.11 Alcohol abuse in remission
- F10.12 Alcohol abuse with intoxication
- F10.120 Alcohol abuse with intoxication-uncomplicated
- F10.121 Alcohol abuse with intoxication delirium
- F10.129 Alcohol abuse with intoxication-unspecified
- F10.188 Alcohol abuse with other alcohol-induced disorder
- F10.20 Alcohol dependence uncomplicated
- F10.21 Alcohol dependence in remission
- V11.3 Personal history of alcoholism
- F10.229 Alcohol dependence with intoxication, unspecified
- F10.288 Alcohol dependence with other alcohol-induced disorder
- F10.29 Alcohol dependence with unspecified alcohol-induced disorder
- F10.929 Alcohol use, unspecified with intoxication, unspecified
- F10.988 Alcohol use, unspecified with other alcohol-induced disorder
- F10.99 Alcohol use, unspecified with unspecified alcohol-induced disorder
- F10.230 Alcohol dependence with withdrawal,uncomplicated
- F10.231 Alcohol dependence with withdrawal delirium
- F10.232 Alcohol dependence with withdrawal with perceptual disturbance
- F10.239 Alcohol dependence with withdrawal, unspecified

### **Chronic Pancreatitis**

- Chronic pancreatitis, etiology alcohol
  - K86.0 Alcohol-induced chronic pancreatitis

- Chronic pancreatitis, (unspecified etiology)
  - K86.1 Other chronic pancreatitis
  - 577.1 Chronic pancreatitis

### **Alcoholic Cirrhosis**

- 571.2 Alcoholic cirrhosis liver
- K70.3 Alcoholic cirrhosis of liver
- K70.30 Alcoholic cirrhosis of liver without ascites
- K70.31 Alcoholic cirrhosis of liver with ascites
- K70.2 Alcoholic fibrosis and sclerosis of liver