Table. Questionable CEFs for Each Mental Disorder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DiseaseName** | **CEF** | **Exclusion Frequency** | **PubMed Frequency** | **Semantic Type** |
| tourette-syndrome | pharmaceutical preparations | 0.175 | 2 | pharmacologic substance |
| attention deficit hyperactivity disorder | 0.1625 | 2 | disease or syndrome - mental or behavioral dysfunction |
| tobacco-use-disorder | pharmaceutical preparations | 0.13657 | 2 | pharmacologic substance |
| ethanol | 0.28983 | 1 | organic chemical - pharmacologic substance |
| malignant neoplasms | 0.10015 | 1 | biologically active substance - finding - neoplastic process - pharmacologic substance - therapeutic or preventive procedure |
| tic-disorders | pharmaceutical preparations | 0.16304 | 3 | pharmacologic substance |
| epilepsy | 0.21739 | 2 | disease or syndrome |
| suicide | pharmaceutical preparations | 0.0565 | 5 | pharmacologic substance |
| borderline personality disorder | 0.02825 | 4 | disease or syndrome - mental or behavioral dysfunction |
| schizophrenia | 0.11864 | 2 | mental or behavioral dysfunction |
| somatoform-disorders | cognitive therapy | 0.04217 | 2 | diagnostic procedure - enzyme - hazardous or poisonous substance - therapeutic or preventive procedure |
| sleep-disorders | hepatic | 0.0682 | 14 | body location or region |
| sleep apnea syndromes | 0.24632 | 3 | disease or syndrome |
| sleep apnea obstructive | 0.12512 | 2 | biologically active substance - disease or syndrome |
| shift worker | 0.08391 | 2 | finding |
| narcolepsy | 0.08047 | 2 | disease or syndrome |
| caffeine | 0.05103 | 2 | organic chemical - pharmacologic substance - therapeutic or preventive procedure |
| hypersensitivity | 0.13641 | 1 | clinical attribute - finding - pathologic function |
| pharmaceutical preparations | 0.12561 | 1 | pharmacologic substance |
| malignant neoplasms | 0.09519 | 1 | biologically active substance - finding - neoplastic process - pharmacologic substance - therapeutic or preventive procedure |
| psychotic disorders | 0.07556 | 1 | mental or behavioral dysfunction |
| sleep-deprivation | sleep apnea syndromes | 0.16 | 3 | disease or syndrome |
| pharmaceutical preparations | 0.13333 | 2 | pharmacologic substance |
| shift worker | 0.12 | 2 | finding |
| narcolepsy | 0.08 | 2 | disease or syndrome |
| caffeine | 0.05333 | 2 | organic chemical - pharmacologic substance - therapeutic or preventive procedure |
| psychotic disorders | 0.12 | 1 | mental or behavioral dysfunction |
| hypersensitivity | 0.10667 | 1 | clinical attribute - finding - pathologic function |
| comatose | 0.06667 | 1 | congenital abnormality - disease or syndrome |
| schizophrenia-and-disorders-with-psychotic-features | antipsychotic agents | 0.24054 | 2 | pharmacologic substance |
| ethanol | 0.23147 | 2 | organic chemical - pharmacologic substance |
| schizophrenia | antipsychotic agents | 0.23689 | 2 | pharmacologic substance |
| ethanol | 0.23046 | 2 | organic chemical - pharmacologic substance |
| restless-legs-syndrome | pharmaceutical preparations | 0.24031 | 3 | pharmacologic substance |
| antipsychotic agents | 0.13953 | 1 | pharmacologic substance |
| peripheral neuropathy | 0.09302 | 1 | disease or syndrome |
| pick-disease-of-the-brain | pharmaceutical preparations | 0.1125 | 6 | pharmacologic substance |
| magnetic resonance imaging | 0.175 | 1 | diagnostic procedure |
| personality-disorders | pharmaceutical preparations | 0.05556 | 1 | pharmacologic substance |
| panic-disorder | pharmaceutical preparations | 0.17293 | 13 | pharmacologic substance |
| ethanol | 0.35338 | 5 | organic chemical - pharmacologic substance |
| cognitive therapy | 0.07519 | 4 | diagnostic procedure - enzyme - hazardous or poisonous substance - therapeutic or preventive procedure |
| alcohol abuse | 0.06015 | 3 | mental or behavioral dysfunction |
| benzodiazepines | 0.1203 | 1 | organic chemical - pharmacologic substance |
| opioid-related-disorders | pharmaceutical preparations | 0.12941 | 1 | pharmacologic substance |
| naloxone | 0.06824 | 1 | organic chemical - pharmacologic substance |
| obsessive-compulsive-disorder | cognitive therapy | 0.19072 | 3 | diagnostic procedure - enzyme - hazardous or poisonous substance - therapeutic or preventive procedure |
| mental disorders | 0.1701 | 1 | mental or behavioral dysfunction |
| antipsychotic agents | 0.15979 | 1 | pharmacologic substance |
| antidepressive agents | 0.1134 | 1 | pharmacologic substance |
| pharmaceutical preparations | 0.06701 | 1 | pharmacologic substance |
| mental-fatigue | ethanol | 0.15574 | 2 | organic chemical - pharmacologic substance |
| exercise pain management | 0.04098 | 2 | therapeutic or preventive procedure |
| malignant neoplasms | 0.14754 | 1 | biologically active substance - finding - neoplastic process - pharmacologic substance - therapeutic or preventive procedure |
| hypersensitivity | 0.12295 | 1 | clinical attribute - finding - pathologic function |
| sleep apnea syndromes | 0.07377 | 1 | disease or syndrome |
| rheumatoid arthritis | 0.06557 | 1 | disease or syndrome - pharmacologic substance |
| antidepressive agents | 0.04098 | 1 | pharmacologic substance |
| narcolepsy | 0.03279 | 1 | disease or syndrome |
| caffeine | 0.03279 | 1 | organic chemical - pharmacologic substance - therapeutic or preventive procedure |
| stimulant | 0.03279 | 1 | pharmacologic substance |
| marijuana-abuse | marihuana | 0.43913 | 13 | mental or behavioral dysfunction - organic chemical - pharmacologic substance |
| pharmaceutical preparations | 0.18696 | 2 | pharmacologic substance |
| psychotic disorders | 0.19565 | 1 | mental or behavioral dysfunction |
| illicit drugs | 0.1 | 1 | hazardous or poisonous substance - pharmacologic substance |
| benzodiazepines | 0.06087 | 1 | organic chemical - pharmacologic substance |
| gambling | ethanol | 0.18056 | 3 | organic chemical - pharmacologic substance |
| pharmaceutical preparations | 0.13889 | 2 | pharmacologic substance |
| depressed mood | 0.125 | 1 | finding - mental or behavioral dysfunction |
| myocardial infarction | 0.09722 | 1 | disease or syndrome - finding |
| antidepressive agents | 0.06944 | 1 | pharmacologic substance |
| frontotemporal-dementia | pharmaceutical preparations | 0.14493 | 9 | pharmacologic substance |
| ethanol | 0.21739 | 2 | organic chemical - pharmacologic substance |
| cerebrovascular accident | 0.15942 | 2 | disease or syndrome - therapeutic or preventive procedure |
| magnetic resonance imaging | 0.2029 | 1 | diagnostic procedure |
| antipsychotic agents | 0.08696 | 1 | pharmacologic substance |
| brain injuries | 0.08696 | 1 | injury or poisoning |
| developmental-disabilities | hepatic | 0.08989 | 14 | body location or region |
| pharmaceutical preparations | 0.09888 | 3 | pharmacologic substance |
| developmental disabilities | 0.05393 | 3 | mental or behavioral dysfunction |
| gravidity | 0.13258 | 1 | finding |
| malignant neoplasms | 0.07865 | 1 | biologically active substance - finding - neoplastic process - pharmacologic substance - therapeutic or preventive procedure |
| mental retardation | 0.05393 | 1 | mental or behavioral dysfunction |
| research outcome | 0.04494 | 1 | finding |
| deafness | 0.04494 | 1 | disease or syndrome - finding |
| depression | pharmaceutical preparations | 0.12504 | 19 | pharmacologic substance |
| ethanol | 0.26807 | 10 | organic chemical - pharmacologic substance |
| depressed mood | 0.22849 | 6 | finding - mental or behavioral dysfunction |
| antidepressive agents | 0.18021 | 6 | pharmacologic substance |
| malignant neoplasms | 0.08366 | 5 | biologically active substance - finding - neoplastic process - pharmacologic substance - therapeutic or preventive procedure |
| benign rolandic epilepsy | 0.06057 | 2 | disease or syndrome - therapeutic or preventive procedure |
| bipolar disorder | 0.25517 | 1 | mental or behavioral dysfunction |
| dementia | 0.10465 | 1 | mental or behavioral dysfunction |
| psychotherapy | 0.09685 | 1 | therapeutic or preventive procedure |
| manic | 0.05667 | 1 | finding - mental or behavioral dysfunction |
| cerebrovascular accident | 0.05427 | 1 | disease or syndrome - therapeutic or preventive procedure |
| dementia | cerebrovascular accident | 0.17524 | 20 | disease or syndrome - therapeutic or preventive procedure |
| pharmaceutical preparations | 0.1516 | 16 | pharmacologic substance |
| magnetic resonance imaging | 0.14047 | 3 | diagnostic procedure |
| vitamins | 0.06583 | 3 | organic chemical - pharmacologic substance |
| ethanol | 0.22207 | 2 | organic chemical - pharmacologic substance |
| hypertensive disease | 0.09504 | 1 | biologically active substance - disease or syndrome - finding |
| antipsychotic agents | 0.08716 | 1 | pharmacologic substance |
| multiple sclerosis | 0.05702 | 1 | body part, organ, or organ component - disease or syndrome - finding |
| delirium | pharmaceutical preparations | 0.15179 | 9 | pharmacologic substance |
| ethanol | 0.22133 | 4 | organic chemical - pharmacologic substance |
| mental disorders | 0.24295 | 1 | mental or behavioral dysfunction |
| cerebrovascular accident | 0.17293 | 1 | disease or syndrome - therapeutic or preventive procedure |
| magnetic resonance imaging | 0.14004 | 1 | diagnostic procedure |
| vitamins | 0.06626 | 1 | organic chemical - pharmacologic substance |
| consciousness related finding | 0.05357 | 1 | finding |
| conduct-disorder | ethanol | 0.22647 | 1 | organic chemical - pharmacologic substance |
| pharmaceutical preparations | 0.10512 | 1 | pharmacologic substance |
| personality disorders | 0.05297 | 1 | mental or behavioral dysfunction |
| cocaine-related-disorders | ethanol | 0.36538 | 4 | organic chemical - pharmacologic substance |
| depressed mood | 0.14286 | 1 | finding - mental or behavioral dysfunction |
| benzodiazepines | 0.14011 | 1 | organic chemical - pharmacologic substance |
| diabetes | 0.08516 | 1 | disease or syndrome |
| child-behavior-disorders | ethanol | 0.08179 | 1 | organic chemical - pharmacologic substance |
| pharmaceutical preparations | 0.06944 | 1 | pharmacologic substance |
| eating disorders | 0.0463 | 1 | mental or behavioral dysfunction |
| borderline-personality-disorder | pharmaceutical preparations | 0.0597 | 1 | pharmacologic substance |
| suicide attempt | 0.04478 | 1 | finding - mental or behavioral dysfunction |
| bipolar-disorder | ethanol | 0.26383 | 2 | organic chemical - pharmacologic substance |
| antidepressive agents | 0.10957 | 2 | pharmacologic substance |
| antipsychotic agents | 0.16277 | 1 | pharmacologic substance |
| depressed mood | 0.10957 | 1 | finding - mental or behavioral dysfunction |
| stabilizer - function | 0.07021 | 1 | organ or tissue function |
| benign rolandic epilepsy | 0.06489 | 1 | disease or syndrome - therapeutic or preventive procedure |
| autistic-disorder | congenital abnormality | 0.07901 | 4 | congenital abnormality - disease or syndrome |
| pharmaceutical preparations | 0.09877 | 3 | pharmacologic substance |
| pervasive development disorder | 0.0963 | 2 | congenital abnormality - inorganic chemical - mental or behavioral dysfunction - pharmacologic substance |
| developmental disabilities | 0.05679 | 2 | mental or behavioral dysfunction |
| tuberous sclerosis | 0.10617 | 1 | body part, organ, or organ component - congenital abnormality - disease or syndrome - finding - mental or behavioral dysfunction - neoplastic process - pharmacologic substance |
| mental retardation | 0.05432 | 1 | mental or behavioral dysfunction |
| attention-deficit-disorder-with-hyperactivity | attention deficit hyperactivity disorder | 0.31579 | 20 | disease or syndrome - mental or behavioral dysfunction |
| pharmaceutical preparations | 0.11164 | 7 | pharmacologic substance |
| neurological observations | 0.07974 | 3 | finding |
| stimulant | 0.13876 | 2 | pharmacologic substance |
| ethanol | 0.1563 | 1 | organic chemical - pharmacologic substance |
| disability | 0.08772 | 1 | finding |
| asperger-syndrome | antipsychotic agents | 0.2069 | 1 | pharmacologic substance |
| brain | 0.10345 | 1 | body part, organ, or organ component - disease or syndrome |
| pharmaceutical preparations | 0.10345 | 1 | pharmacologic substance |
| pervasive development disorder | 0.08621 | 1 | congenital abnormality - inorganic chemical - mental or behavioral dysfunction - pharmacologic substance |
| anorexia nervosa | 0.07143 | 4 | mental or behavioral dysfunction |
| pharmaceutical preparations | 0.06122 | 3 | pharmacologic substance |
| electrocardiogram | 0.06122 | 2 | diagnostic procedure - finding - organic chemical - pharmacologic substance |
| dietary potassium | 0.05102 | 2 | inorganic chemical |
| antipsychotic agents | 0.12245 | 1 | pharmacologic substance |
| antidepressive agents | 0.07143 | 1 | pharmacologic substance |
| intestines | 0.04082 | 1 | body part, organ, or organ component |
| alcoholism | ethanol | 0.49716 | 49 | organic chemical - pharmacologic substance |
| alcoholic intoxication chronic | 0.15123 | 19 | mental or behavioral dysfunction |
| alcohol consumption | 0.07183 | 8 | individual behavior |
| pharmaceutical preparations | 0.16446 | 2 | pharmacologic substance |
| alcohol withdrawal syndrome | 0.13989 | 2 | disease or syndrome |
| schizophrenia | 0.20416 | 1 | mental or behavioral dysfunction |
| naltrexone | 0.17202 | 1 | organic chemical - pharmacologic substance |
| disulfiram | 0.16824 | 1 | body part, organ, or organ component - hazardous or poisonous substance - organic chemical - pharmacologic substance |
| acamprosate | 0.0775 | 1 | organic chemical - pharmacologic substance |
| alcohol-related-disorders | ethanol | 0.42143 | 17 | organic chemical - pharmacologic substance |
| alcohol withdrawal syndrome | 0.11 | 13 | disease or syndrome |
| alcoholic intoxication chronic | 0.12571 | 9 | mental or behavioral dysfunction |
| pharmaceutical preparations | 0.12714 | 8 | pharmacologic substance |
| alcohol consumption | 0.05857 | 8 | individual behavior |
| screening for cancer | 0.11714 | 1 | diagnostic procedure |
| benzodiazepines | 0.10857 | 1 | organic chemical - pharmacologic substance |
| adjustment-disorders | pharmaceutical preparations | 0.07054 | 2 | pharmacologic substance |
| depressed mood | 0.04979 | 2 | finding - mental or behavioral dysfunction |