Disclaimer

The FDA chose a specific outcome algorithm that met its need for a given medical product-outcome assessment. The use of a specific outcome algorithm in a Sentinel assessment should not be interpreted as an endorsement from FDA to use the algorithm for all safety assessments. Investigators should always consider the objective, study design, analytic approach, and data source of a given medical product safety assessment when choosing the outcome algorithm. The suitability of an outcome algorithm may change when applied to different scenarios. For additional information, please refer to the Best Practices for Conducting and Reporting Pharmacoepidemiologic Safety Studies Using Electronic Healthcare Data guidance document provided by the FDA.

Overview

Title	Suicide Algorithm Defined in "Neuropsychiatric Events following Montelukast Use: A Propensity Score Matched Analysis"
Request ID	cder_mpl2p_wp014
Description	This report lists International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes and algorithms used to define suicide in this request. For additional information about the algorithm and how it was defined relative to the cohort and exposures of interest in the inferential analysis, see the analysis page here: https://www.sentinelinitiative.org/drugs/assessments/neuropsychiatric-events-following-montelukast-use-propensity-score-matched
Outcome	Suicide
Algorithm to Define Outcome	Evidence of an ICD-10-CM diagnosis code used to define suicide identified in the Cause of Death Table associated with a valid death date and a Confidence level of Excellent.
Query Period	January 1, 2000 - September 30, 2015
Request Send Date	August 2, 2019

Glossary

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or missing (U)

Outcome - outcome of interest (either primary or secondary)

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest

Request Send Date - date the request was sent to Sentinel Data Partners

International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Suicide in this Request

Codes	Description	Code Type	Code Category
X60	Intentional self-poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics	ICD-10-CM	Diagnosis
X61	Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	ICD-10-CM	Diagnosis
X62	Intentional self-poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified	ICD-10-CM	Diagnosis
X63	Intentional self-poisoning by and exposure to other drugs acting on the autonomic nervous system	ICD-10-CM	Diagnosis
X64	Intentional self-poisoning by and exposure to other and unspecified drugs, medicaments and biological substances	ICD-10-CM	Diagnosis
X65	Intentional self-poisoning by and exposure to alcohol	ICD-10-CM	Diagnosis
X66	Intentional self-poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours	ICD-10-CM	Diagnosis
X67	Intentional self-poisoning by and exposure to other gases and vapours	ICD-10-CM	Diagnosis
X68	Intentional self-poisoning by and exposure to pesticides	ICD-10-CM	Diagnosis
X69	Intentional self-poisoning by and exposure to other and unspecified chemicals and noxious substances	ICD-10-CM	Diagnosis
X70	Intentional self-harm by hanging, strangulation and suffocation	ICD-10-CM	Diagnosis
X71	Intentional self-harm by drowning and submersion	ICD-10-CM	Diagnosis
X72	Intentional self-harm by handgun discharge	ICD-10-CM	Diagnosis
X73	Intentional self-harm by rifle, shotgun and larger firearm discharge	ICD-10-CM	Diagnosis
X74	Intentional self-harm by other and unspecified firearm discharge	ICD-10-CM	Diagnosis
X75	Intentional self-harm by explosive material	ICD-10-CM	Diagnosis
X76	Intentional self-harm by smoke, fire and flames	ICD-10-CM	Diagnosis
X77	Intentional self-harm by steam, hot vapours and hot objects	ICD-10-CM	Diagnosis
X78	Intentional self-harm by sharp object	ICD-10-CM	Diagnosis
X79	Intentional self-harm by blunt object	ICD-10-CM	Diagnosis
X80	Intentional self-harm by jumping from a high place	ICD-10-CM	Diagnosis
X81	Intentional self-harm by jumping or lying before moving object	ICD-10-CM	Diagnosis
X82	Intentional self-harm by crashing of motor vehicle	ICD-10-CM	Diagnosis
X83	Intentional self-harm by other specified means	ICD-10-CM	Diagnosis
X84	Intentional self-harm by unspecified means	ICD-10-CM	Diagnosis
Y870	Sequelae of intentional self-harm	ICD-10-CM	Diagnosis