

### Mortality Data Endpoints Documentation

Four clinics individually collect SOF Mortality data. In order to adjudicate all SOF deaths, along with relevant medical records, it is imperative that a State Registered Certificate of Death also be submitted to the Coordinating Center. The Principal Investigator at the clinical site indicates his/her initial diagnosis for cause of death before all materials are sent to the Coordinating Center for pre- and final adjudication. Using the International Classification of Diseases 9th Revision Clinical Modification (ICD-9-CM), the Endpoints Specialist at the Coordinating Center classifies each cause-specific death.

The classified cause-specific data are coded with four possible values: 1 = death, 0 = no death, .D = death from other cause, and .N = no visit.

An explication of variable classification using ICD-9-CM codes for SOF Mortality is seen below:

TYPE OF DEATH	VARIABLE NAME	ICD9 CODE
ATHEROSCLEROSIS DEATH: CHD, SUDDEN, STROKE, OTHER	V#DTHCVD	ICD9=425 or ICD9=429.2 or 440 ≤ ICD9 < 445 or ICD9=428 or 401 ≤ ICD9 < 405 410 ≤ ICD9 < 415 or ICD9=798 or 430 ≤ ICD9 < 439
ISCHEMIC HEART DISEASE DEATH	V#DTHCHD	410 ≤ ICD9 < 415
STROKE DEATH	V#DTHSTK	430 ≤ ICD9 < 439
ISCHEMIC HEART DISEASE AND SUDDEN DEATH	V#DTHSUD	410 ≤ ICD9 < 415 or ICD9=427.5 or ICD9=798
ATHEROSCIEROSIS CARDIO DEATH	V#DTHASH	410 ≤ ICD9 < 415 or ICD9=798 or ICD9=427.5 or ICD9=428 or ICD9=429.2
CANCER DEATH	V#DTHCA	140 ≤ ICD9 < 240
BREAST CANCER DEATH	V#DTHBC	174 ≤ ICD9 < 175
FEMALE CANCER DEATH	V#DTHFC	174 ≤ ICD9 < 175 or 182 ≤ ICD9 < 184
COLON CANCER DEATH	V#DTHCC	153 ≤ ICD9 < 155
COGNITIVE FUNCTION DEATH	V#DTHCOG	290 ≤ ICD9 < 291 or 331 ≤ ICD9 < 332.2
PULMONARY DEATH	V#DTHPLM	415 ≤ ICD9 < 418 or 460 ≤ ICD9 < 520 or ICD9=786 or ICD9=796 or ICD9=799.1
ALL OTHER DEATH	V#DTHOTH	V#DTHCVD ≠ 1 and V#DTHCA ≠ 1