

Causes of death definitions used in MARC data analysis

Based on: Randall, D., Roxburgh, A., Gibson, A., & Degenhardt, L. (2009). Mortality among people who use illicit drugs: A toolkit for classifying major causes of death. Sydney: National Drug and Alcohol Research Centre, University of NSW.

	ICD9	ICD10	Source
Drug-related deaths	304, 305.2-305.9, E850-E858, E950.0-E950.5, E962.0, E980.0-E980.5	F11- F16, F19, F55, X40-X44, X60-X64, X85, Y10-Y14, R78-R78.5, I42.7, I43.6, T39-T48, T96	ABS definitions of drug induced deaths (http://www.abs.gov.au/AUSS/TATS/abs@.nsf/Lookup/3321.0.55.001Explanatory%20Notes11991-2001?OpenDocument)
Other substance abuse		F18, X45-X49, Y15, Y16, Y18, Y19, R76.6-R76.9, T51-T65, T97	
Opioid-related deaths	304.0, 304.7, 305.5, 965.0, E850.0-E850.2 [307.0 removed]	F11, T50.7, Y45.0, Y50.1 X42 & (T40.0-T40.4 or T40.6) X44 & (T40.0-T40.4 or T40.6) F19 & (T40.0-T40.4 or T40.6)	Chief Health Officer (CHO) Report opiate deaths indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm) adding E850.1 and E850.2 in ICD-9
Suicide	E950-E959	X60- X84, Y87.0	CHO suicide indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Violence	E960-E969	X85-Y09, Y87.1	
Injury and poisoning	800-999, E800-E869, E880-E929, E950-E999	V00-X99, Y00-Y39, Y85-Y87, Y89	CHO injury and poisoning indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Cardiovascular disease	390-459	I00-I99, G45, G46	CHO cardiovascular disease indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)

	ICD9	ICD10	Source
All liver related	070, 155, 570, 571.0-571.9, 572-573	B15-B19, B94.2, C22, K70-K77	Amin J, Law M, Bartlett M, Kaldor J, Dore G. Causes of death after diagnosis of hepatitis B or hepatitis C infection: a large community-based linkage study. Lancet 2006; 368: 938-45.
Viral hepatitis	070	B15-B19, B94.2, O98.4, P35.3	CHO potentially avoidable mortality table (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_avm.htm) and diagnosis table (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Alcoholic liver disease	571.0-571.3	K70	Amin J, Law M, Bartlett M, Kaldor J, Dore G. Causes of death after diagnosis of hepatitis B or hepatitis C infection: a large community-based linkage study. Lancet 2006; 368: 938-45.
Non-alcoholic liver disease	570, 571.4-571.9, 572-573	K71-K77	Amin J, Law M, Bartlett M, Kaldor J, Dore G. Causes of death after diagnosis of hepatitis B or hepatitis C infection: a large community-based linkage study. Lancet 2006; 368: 938-45.

	ICD9	ICD10	Source
All alcohol-related (see concordance table below)	291, 303.0, 303.9, 305.0, 357.5, 425.5, 535.3, 571.0-571.3, E860.0-E860.2	E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, Y15 T51	ABS alcohol-induced deaths indicator in 3303.0 - Causes of Death, Australia, 2006 (http://www.abs.gov.au/AUSS TATS/abs@.nsf/Latestproducts/3303.0Appendix32006?opendocument&tabname=Notes&prodno=3303.0&issue=2006&num=&view=) ICD9 translation using NDRI Technical Report 'Alcohol-related codes: Mapping ICD-9 to ICD-10' (http://espace.lis.curtin.edu.au/archive/00000406/01/T128_ICD9-ICD10.pdf)
Cancer	140-208	C00-C97	CHO indicator for cancer (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
HIV-related	042-044, 279.10	B20-B24	ABS definition in 3303.0 - Causes of Death, Australia, 2006, explanatory notes point 42 (http://www.abs.gov.au/AUSS TATS/abs@.nsf/Lookup/3303.0Explanatory%20Notes12006?OpenDocument)
Diabetes	250, 648.0, 648.8	E10-E14, O24	CHO diabetes indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Chronic respiratory disease	491, 492, 493, 496	J41-J46	CHO chronic respiratory disease indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Any respiratory disease	491-493, 496	J00-J99	

	ICD9	ICD10	Source
Epilepsy	345	G40-G41	CHO potentially avoidable mortality table (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_avm.htm)
Digestive disorders (including chronic liver disease)	531-534, 540-543, 550-553, 571.4-571.9, 574-577	K25-K28, K35-K38, K40-K46, K73, K74, K80-K83, K85-K86, K91.5	CHO potentially avoidable mortality table (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_avm.htm)
Influenza and pneumonia	480-487	J10-J18	CHO indicator (http://www.health.nsw.gov.au/public-health/chorep/toc/app_icd_diag.htm)
Transport related	E800-E848	V01-V99	
Unnatural	E800-E999	V01-Y98	