

ICD 9/10 Codes for Alcohol-Attributable Mortality Fractions

ICD-9 Diagnosis Category	Percent	Age	ICD-9 Code ¹	ICD-9CM Diagnosis Category ²	ICD-9CM Code ³	ICD-10 Diagnosis Category	ICD-10 Code
CHRONIC CONDITIONS							
100 % ATTRIBUTABLE							
Alcohol Induced Mental Disorders	100	>20	291	Alcohol Induced Mental Disorders (includes additional 5 th digit codes 291.81 [alcohol withdrawal] and 291.89 [Other alcohol induced disorder: anxiety, mood, sleep, sexual dysfunction])	291	Mental and behavioral disorders due to use of alcohol	F10.0-F10.1, F10.3-F10.9
Alcohol dependence syndrome	100	>20	303	Alcohol dependence syndrome (acute alcohol intoxication [303.0], Other and unspecified alcohol dependence [303.9], fifth digits for 303: 0 unspecified, 1 continuous, 2 episodic, 3 in remission)	303	Alcohol dependence syndrome	F10.2
Nondependent abuse of alcohol	100	>20	305.0	Nondependent abuse of alcohol (fifth digits for 305.0: 0 unspecified, 1	305.0	Nondependent abuse of alcohol	--

¹ From http://www.cdc.gov/nchs/data/statab/gmwki_98.pdf

² Yellow highlights indicate that ICD-9CM codes are more detailed than ICD-9 codes.

³ From <http://www.cdc.gov/nchs/icd9.htm#RTF>

-- No corresponding ICD-9 or ICD-10 code available for that particular condition.

ICD-9 Diagnosis Category	Percent	Age	ICD-9 Code ¹	ICD-9CM Diagnosis Category ²	ICD-9CM Code ³	ICD-10 Diagnosis Category	ICD-10 Code
				continuous, 2 episodic, 3 in remission)			
Degeneration of nervous system due to alcohol	100	>20		Degeneration of nervous system due to alcohol		Degeneration of nervous system due to alcohol	G31.2
Alcoholic polyneuropathy	100	>20	357.5	Alcoholic polyneuropathy	357.5	Alcoholic polyneuropathy	G62.1
Alcoholic cardiomyopathy	100	>20	425.5	Alcoholic cardiomyopathy	425.5	Alcoholic cardiomyopathy	I42.6
Alcoholic myopathy	100	>20		Alcoholic myopathy		Alcoholic myopathy	G72.1
Alcoholic gastritis	100	>20	535.3	Alcoholic gastritis	535.3	Alcoholic gastritis	K29.2
Alcoholic liver disease/cirrhosis	100	>20	571.0-571.3	Alcoholic liver disease/cirrhosis	571.0-571.3	Alcoholic liver disease	K70.0-K70.9
Alcohol-induced chronic pancreatitis	100	>20	--	Alcohol-induced chronic pancreatitis		Alcohol-induced chronic pancreatitis	K86.0
Fetal Alcohol Syndrome	100	<15	--	Fetal Alcohol Syndrome (with 980.0 Ethyl Alcohol or 980.1 Methyl Alcohol codes only)	655.4	Fetal Alcohol Syndrome	Q86.0
Fetus and newborn affected by maternal use of alcohol	100	<15	--	Fetus and newborn affected by maternal use of alcohol	760.71	Alcohol affecting fetus	P04.3, O35.4
CHRONIC CONDITIONS PARTIALLY ATTRIBUTABLE TO ALCOHOL							
Portal hypertension	40	>20	572.3	Portal hypertension	572.3	Portal hypertension	K76.6
Acute pancreatitis	24	>20	577.0	Acute pancreatitis	577.0	Acute pancreatitis	K85
Chronic pancreatitis	84	>20	577.1	Chronic pancreatitis	577.1	Other Chronic pancreatitis (not alcohol induced)	K86.1
Gastroesophageal Hemorrhage	47	>20	530.7	Gastroesophageal Hemorrhage	530.7	Gastroesophageal Hemorrhage	K22.6
Liver cirrhosis,	40	>20	571.5-	Liver cirrhosis, unspecified	571.5-	Liver cirrhosis, unspecified	K74.3-K74.6,

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unspecified			571.9		571.9		K76.0, K76.9
Esophageal varices	40	>20	456.0-456.1	Esophageal varices (includes 456.20 with bleeding and 456.51 without mention of bleeding)	456.0-456.2	Esophageal varices	I85. I98.20, I98.21
Epilepsy	15	>20	345	Epilepsy (5 th digit: 0 without mention of intractable epilepsy; 1 with of intractable epilepsy)	345	Epilepsy	G40, G41
Spontaneous Abortion (Female only)	4	>20	634	Spontaneous Abortion (Female only) [Requires 5 th digit to identify stage: 0 unspecified, 1 incomplete, 2 complete]	634	Spontaneous Abortion (Female only)	O03
CHRONIC CONDITIONS WITH INDIRECT ALCOHOL ATTRIBUTION							
Liver Cancer (Male)	6*	>20	155	Liver Cancer (Male)	155	Liver Cancer (Male)	C22
Liver Cancer (Female)	3*	>20	155	Liver Cancer (Female)	155	Liver Cancer (Female)	C22
Orapharyngeal cancer (Men)	.07*	>20	141, 143-146, 148, 149	Orapharyngeal cancer (Men)	141, 143-146, 148, 149	Orapharyngeal cancer (Men)	C01-C06, C09-C10, C12-C14

* Sum of medium and high level consumption attribution fractions

ICD-9 Diagnosis Category	Percent	Age	ICD-9 Code ¹	ICD-9CM Diagnosis Category ²	ICD-9CM Code ³	ICD-10 Diagnosis Category	ICD-10 Code
Oropharyngeal cancer (Women)	.03*	>20	141, 143-146, 148, 149	Oropharyngeal cancer (Women)	141, 143-146, 148, 149	Oropharyngeal cancer (Women)	C01-C06, C09-C10, C12-C14
Esophageal Cancer (Male)	.04*	>20	150	Esophageal Cancer (Male)	150	Esophageal Cancer (Male)	C15
Esophageal Cancer (Female)	.02*	>20	150	Esophageal Cancer (Female)	150	Esophageal Cancer (Female)	C15
Laryngeal cancer (Male)	.07*	>20	161	Laryngeal cancer (Male)	161	Laryngeal cancer (Male)	C32
Laryngeal cancer (Female)	.03*	>20	161	Laryngeal cancer (Female)	161	Laryngeal cancer (Female)	C32
Chronic hepatitis (male)	2*	>20	571.4	Chronic hepatitis (male) (.40 unspecified; .41 persistent, .49 Other)	571.4	Chronic hepatitis (male)	K73
Chronic hepatitis (female)	1*	>20	571.4	Chronic hepatitis (female) (.40 unspecified; .41 persistent, .49 Other)	571.4	Chronic hepatitis (female)	K73
Supraventricular cardiac dysrhythmia (Male)	2*	>20	427.0, 427.2, 427.3	Supraventricular cardiac dysrhythmia (Male)	427.0, 427.2, 427.3	Supraventricular cardiac dysrhythmia (Male)	I85. I98.20, I98.21
Supraventricular cardiac dysrhythmia (Female)	1*	>20	427.0, 427.2, 427.3	Supraventricular cardiac dysrhythmia (Female)	427.0, 427.2, 427.3	Supraventricular cardiac dysrhythmia (Female)	I47.1, I47.9, I48
Stroke, ischemic (Male)	6*	>20	433-435, 437	Stroke, ischemic (Male)	433-435, 437, 362.34	Stroke, ischemic (Male)	G45, I63, I65-I67, I69.3
Stroke, ischemic (Female)	1*	>20	433-435,	Stroke, ischemic (Female)	433-435,	Stroke, ischemic (Female)	G45, I63, I65-I67, I69.3

* Sum of medium and high level consumption attribution fractions

ICD-9 Diagnosis Category	Percent	Age	ICD-9 Code ¹	ICD-9CM Diagnosis Category ²	ICD-9CM Code ³	ICD-10 Diagnosis Category	ICD-10 Code
			437		437, 362.34		
Stroke, hemorrhagic (Male)	10*	>20	430-432	Stroke, hemorrhagic (Male)	430-432	Stroke, hemorrhagic (Male)	I60-I62, I69.0-I69.2
Stroke, hemorrhagic (Female)	2*	>20	430-432	Stroke, hemorrhagic (Female)	430-432	Stroke, hemorrhagic (Female)	I60-I62, I69.0-I69.2
Breast Cancer (Female)	1*	>20	174	Breast Cancer (Female)	174	Breast Cancer (Female)	C50
Hypertension (Male)	3*	>20	401-404	Hypertension (Male) (Includes new code 405 for secondary hypertension)	401-405	Hypertension (Male)	I10-I15
Hypertension (Female)	2*	>20	401-404	Hypertension (Female) (Includes new code 405 for secondary hypertension)	401-405	Hypertension (Female)	I10-I15
Psoriasis (Male only)	1*	>20	696.1	Psoriasis (Male only)	696.1	Psoriasis (Male only)	L40.0-L40.4, L40.8, L40.9
Low birth weight, prematurity, IUGR, death (Male)	4*	<15	656.5, 764, 765	Low birth weight, prematurity, IUGR, death (Male) [requires 5 th digit for birthweight]	656.5, 764, 765	Low birth weight, prematurity, IUGR, death (Male)	O36.4, O36.5, P05, P07
Low birth weight, prematurity, IUGR, death (Female)	3*	<15	656.5, 764, 765	Low birth weight, prematurity, IUGR, death (Female) [764-765 require 5 th digit for birthweight]	656.5, 764, 765	Low birth weight, prematurity, IUGR, death (Female)	O36.4, O36.5, P05, P07
ACUTE CONDITIONS 100% ATTRIBUTABLE							
Excessive blood level of alcohol	100	>15	790.3	Excessive blood level of alcohol	790.3	Finding of alcohol in blood	R78.0
Toxic Effect of Ethyl and	100	>15	--	Toxic Effect of Ethyl and	980.0	Toxic Effect of Ethyl and Methyl	T51.0-T51.1

* Sum of medium and high level consumption attribution fractions

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Methyl Alcohol				Methyl Alcohol	980.1	Alcohol	
Unintentional poisoning by alcoholic beverages	100	>15	E860.0	Accidental poisoning by alcoholic beverages	E860.0	Unintentional poisoning by and exposure to Ethyl or Methyl alcohol	X45 (with T51.0 Ethyl Alcohol or T51.1 Methyl Alcohol diagnosis codes only)
Unintentional poisoning by other and unspecified ethyl alcohol and its products and Methyl alcohol	100	>15	E860.1 E860.2	Unintentional poisoning by other and unspecified ethyl and methyl alcohol and its products.	E860.1 E860.2		--
Alcohol poisoning undetermined intent	100	>15	--	Alcohol poisoning undetermined intent		Alcohol poisoning undetermined intent	Y15
Suicide by Alcohol	100	>15	--	Suicide by Alcohol		Suicide by Alcohol	X65
ACUTE CONDITIONS PARTIALLY ATTRIBUTABLE TO ALCOHOL							
Homicide and injury purposely inflicted by other persons	47	>15	E960- E969	Homicide and injury purposely inflicted by other persons	E960- E969	All injury, homicide	X85-Y09, Y87.1
Hypothermia	42	>15	E901	Hypothermia	E901	Hypothermia	W93 (manmade), X31 (natural)
Unintentional falls	32	>15	E880- E888, E848	Unintentional falls	E880- E888, E848	Fall unintentional	W00-W19
Accidents caused by fires and flames	42	>15	E890- E899	Accidents caused by fires and flames	E890- E899	Fire/flame unintentional	X00-X09
Unintentional drowning and submersion	34	>15	E910	Unintentional drowning and submersion	E910	Drowning unintentional	W65-W74

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Non- (ethyl)alcohol poisoning	29	>15	E850- E858, E860.3- E869	Non- (ethyl)alcohol poisoning	E850- E858, E860.3 -E869	Non- (ethyl)alcohol poisoning	X40-X44, X46-X49 Y10-Y14, Y16-Y19 (poisoning undetermined intent, non-alcohol
Water transport accidents	18	>15	E830- E838	Water transport accidents	E830- E838	Water transport accidents	V90-V94
Air and space transport accidents	18	>15	E840- E845	Air and space transport	E840- E845	Air and space transport accidents	V95-V97
Aspiration	18	>15	E911		E911	Aspiration	W78 (inhalation of gastric contents)- W79
Firearm injuries	18	>15	E922	Firearm injuries (includes new codes for air guns E922.4 and paintball guns E922.5)	E922	Firearm injuries	W32-W34
Occupational and machine injuries	18	>15	E917- E920	Occupational and machine injuries	E917- E920	Occupational and machine injuries	W20-W23 (struck by objects), W24- W31 (machinery piercing)
Suicide and self-inflicted injury	23	>15	E950- E959	Suicide and self-inflicted injury (includes new codes for air guns E955.6 and paintball guns E955.7)	E950- E959	Suicide, not by alcohol specifically	X60-X64, X66-X84, Y87.0
Child maltreatment (overlaps with homicide/assault so need age group)	16	<15	E960- E968	Child maltreatment (overlaps with homicide/assault so need age group)	E960- E968	Child maltreatment (overlaps with homicide/assault so need age group)	X85-Y09, Y87.1
Motor-vehicle non traffic crashes	18	>15	E820- E825	Motor-vehicle non traffic crashes	E820- E825	Motor-vehicle non traffic crashes	V02.0, V03.0, V04.0, V09.0, V12-V14(.0-.2), V19.0-V19.3,

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							V20-V28(.0-.2), V29.0-V29.3, V30-V39(.0-.3), V40-V49(.0-.3), V50-V59(.0-.3), V60-V69(.0-.3), V70-V79(.0-.3), V81.0, V82.0, V83-V86(.4-.9), V88.0-V88.8, V89.0
Other road vehicle crashes	18	>15	E800-E807, E826-E829	Other road vehicle crashes	E800-E807, E826-E829	Other road vehicle crashes	V01, V05-V06, V09.1, V09.3, V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Motor-vehicle traffic crashes (Broken down by age groups with AAFs for each group)		>0	E810-E819	Motor-vehicle traffic crashes	E810-E819	Motor-vehicle traffic crashes	V02(.1, .9), V03(.1, .9), V04(.1, .9), V09.2, V12-V14(.3-.9), V19.4-V19.6, V20-V28(.3-.9), V29.4-V29.9, V30-V39(.4-.9), V40-V49(.4-.9), V50-

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							V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80.3-V80.5, V81.1, V82.1, V83-V86(.0-.3), V87.0-V87.8, V89.2
MALES		<u>Age</u>					
	15	0-14					
	27	15-19					
	47	20-24					
	49	25-34					
	49	35-44					
	41	45-54					
	29	55-64					
	13	65+					
FEMALES		<u>Age</u>					
	16	0-14					
	19	15-19					
	34	20-24					
	35	25-34					
	35	35-44					
	25	45-54					
	16	55-64					
	7	65+					