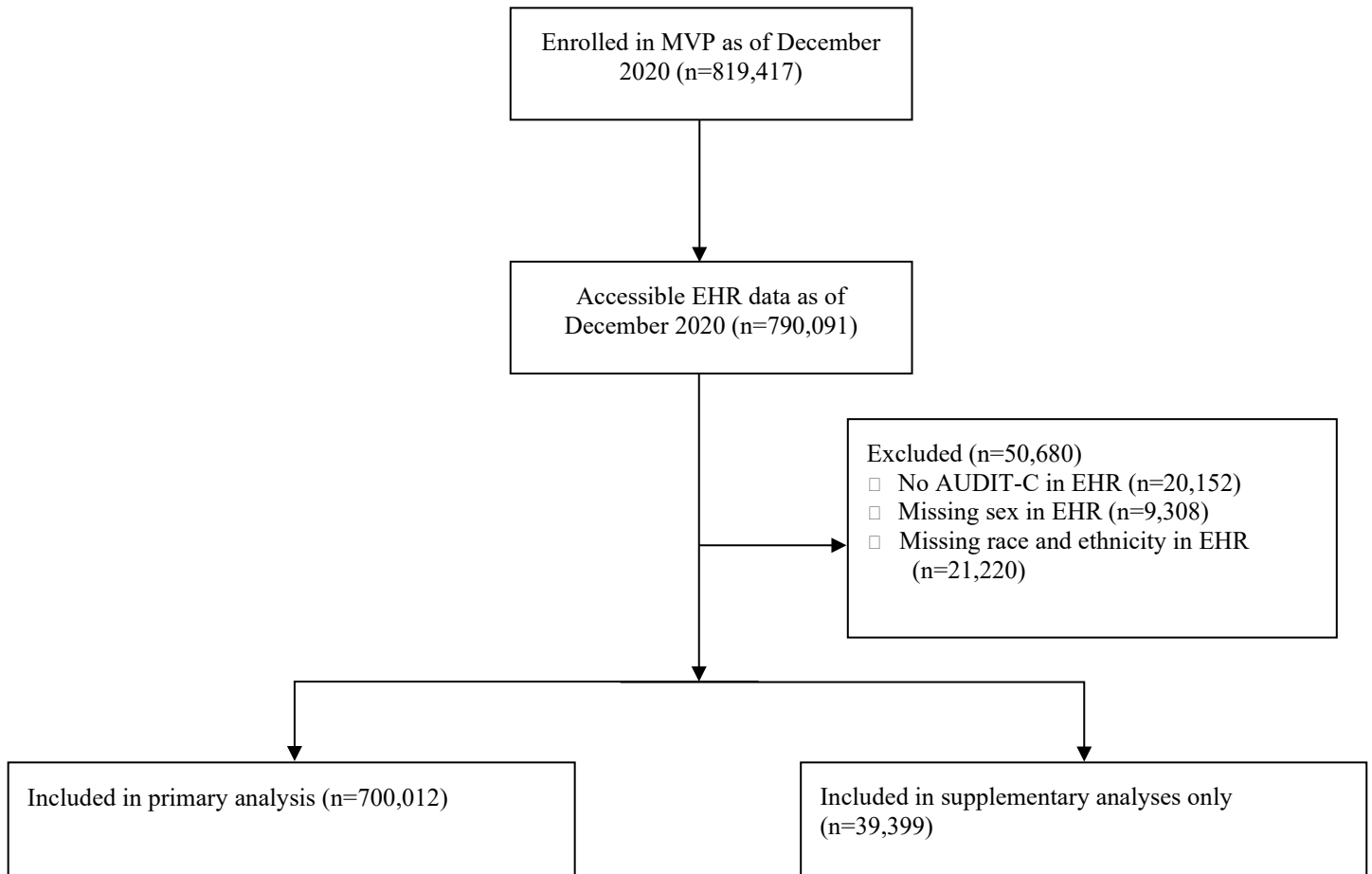


Figure S1. Flow chart of study inclusion.



MVP = Million Veteran Program; EHR = electronic health record; AUDIT-C = Alcohol Use Disorders Identification Test – Consumption.

Table S1A. Demographic and clinical characteristics of men excluded in the primary analysis by race and ethnicity (n=34,056).

	American Indian/ Alaska Native 13.7% (n=4,677)	Asian 21.0% (n=7,135)	Native Hawaiian/ Pacific Islander 9.1% (n=3,102)	Other/Multiple Races 56.2% (n=19,142)
Age (y) – mean (SD)*	60.1 (12.7)	53.8 (17.0)	57.3 (14.7)	61.4 (12.5)
<i>Alcohol-Related Characteristics</i>				
Highest AUDIT-C harmful drinking risk level (highest AUDIT-C score)				
No Risk (0)	26.2% (1,223)	20.7% (1,477)	22.2% (689)	22.5% (4,305)
Low Risk (1-3)	36.8% (1,721)	49.5% (3,534)	40.3% (1,250)	43.8% (8,381)
Moderate Risk (4-7)	22.5% (1,050)	21.8% (1,558)	23.5% (729)	23.2% (4,446)
High Risk (8+)	14.6% (683)	7.9% (566)	14.0% (434)	10.5% (2,010)
Number of AUDIT-C assessments – mean (SD)	8.9 (4.4)	7.1 (3.7)	8.4 (4.0)	9.1 (4.3)
AUD	28.7% (1,343)	11.8% (840)	21.9% (678)	21.0% (4,022)
Cirrhosis**	2.5% (117)	0.3% (19)	1.6% (49)	1.5% (283)
Neuropathy**	0.2% (10)	0.0% (0)	0.1% (4)	0.3% (56)
Cardiomyopathy**	0.2% (10)	<0.1% (1)	0.1% (2)	0.2% (31)
Gastritis**	0.3% (16)	0.1% (5)	0.1% (3)	0.2% (43)
Fatty liver disease**	0.6% (30)	0.3% (19)	0.8% (25)	0.5% (92)
Hepatitis**	0.9% (42)	0.1% (8)	0.6% (17)	0.6% (113)
Liver damage**	0.5% (24)	0.1% (9)	0.2% (7)	0.3% (62)
<i>Other Clinical ICD-9/10 Diagnoses</i>				
Drug abuse/dependence	19.2% (897)	6.5% (465)	14.5% (451)	15.4% (2,948)
AUD + drug abuse/dependence	14.9% (695)	4.2% (300)	10.3% (318)	10.8% (2,067)
Mental disorder	62.0% (2,900)	47.1% (3,359)	60.0% (1,860)	56.8% (10,878)
AUD + mental disorder	23.7% (1,110)	10.0% (706)	18.1% (562)	17.3% (3,307)

SD = standard deviation; AUDIT-C = Alcohol Use Disorders Identification Test – Consumption; AUD = alcohol use disorder.

*Number of observations with missing age: Asian (n=4), Other/Multiple Races (n=2). ** Alcohol-specific diagnosis.

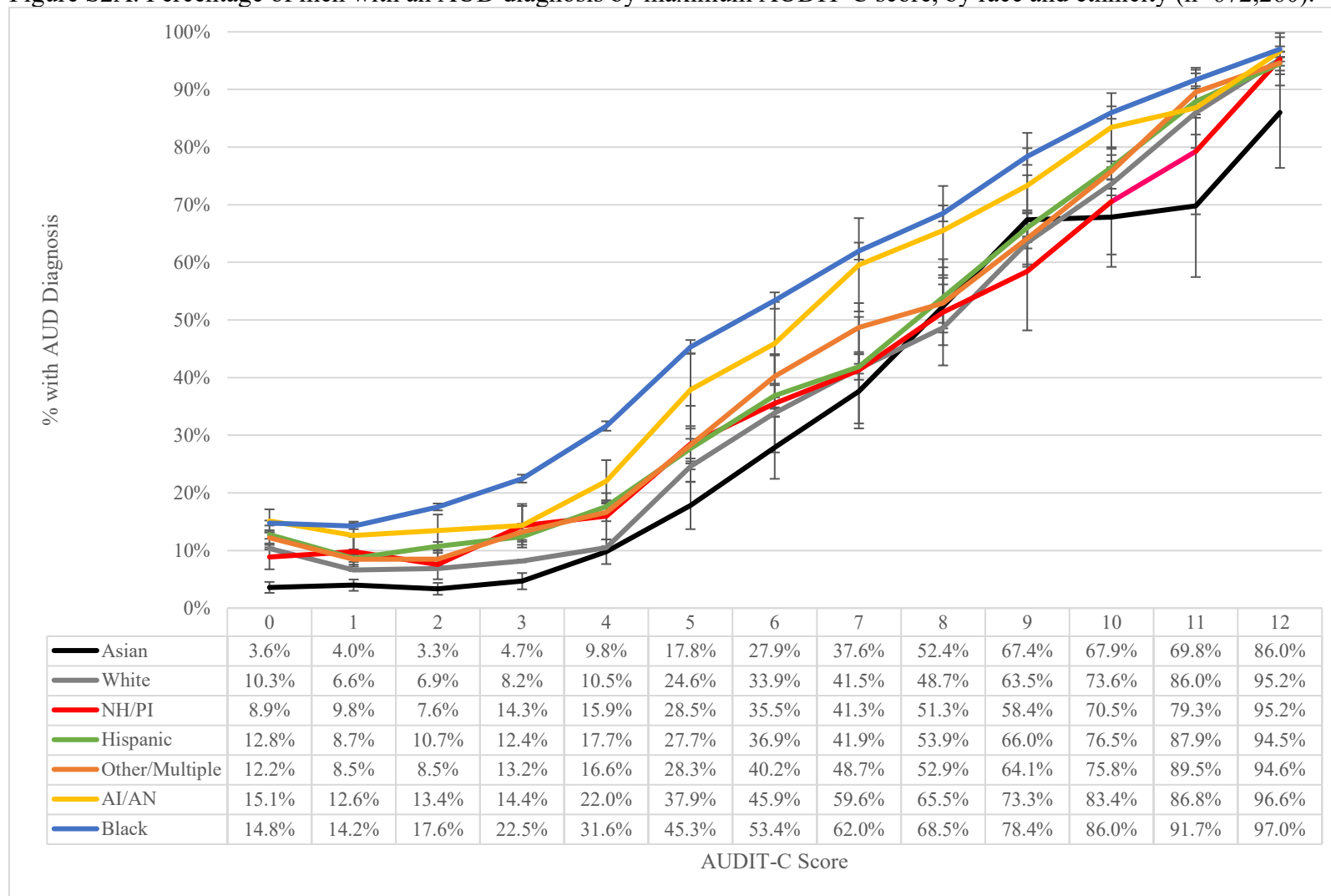
Table S1B. Demographic and clinical characteristics of women excluded in the primary analysis by race and ethnicity (n=5,343).

	American Indian/ Alaska Native 13.1% (n=702)	Asian 17.5% (n=934)	Native Hawaiian/ Pacific Islander 7.4% (n=394)	Other/Multiple Races 62.0% (n=3,313)
Age (y) – mean (SD)*	50.4 (12.8)	43.1 (12.8)	47.1 (12.7)	51.4 (12.6)
<i>Alcohol-Related Characteristics</i>				
Highest AUDIT-C harmful drinking risk level (highest AUDIT-C score)				
No Risk (0)	21.7% (152)	20.6% (192)	20.6% (81)	18.9% (626)
Low Risk (1, 2)	42.9% (301)	49.7% (464)	50.8% (200)	48.5% (1,607)
Moderate Risk (3-7)	29.8% (209)	26.5% (247)	23.6% (93)	27.8% (921)
High Risk (8+)	5.7% (40)	3.3% (31)	5.1% (20)	4.8% (159)
Number of AUDIT-C assessments – mean (SD)	8.7 (5.2)	7.1 (3.6)	8.4 (4.3)	9.2 (4.4)
AUD	17.2% (121)	8.0% (75)	13.5% (53)	12.4% (409)
Cirrhosis**	0.4% (3)	0.0% (0)	0.5% (2)	0.4% (14)
Neuropathy**	0.1% (1)	0.0% (0)	0.3% (1)	<0.1% (1)
Cardiomyopathy**	0.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)
Gastritis**	0.1% (1)	0.0% (0)	0.5% (2)	0.1% (3)
Fatty liver disease**	0.4% (3)	0.0% (0)	0.3% (1)	0.2% (6)
Hepatitis**	0.3% (2)	0.0% (0)	0.3% (1)	0.2% (8)
Liver damage**	0.6% (4)	0.0% (0)	0.3% (1)	0.1% (2)
<i>Other Clinical ICD-9/10 Diagnoses</i>				
Drug abuse/dependence	15.5% (109)	6.2% (58)	11.4% (45)	12.0% (399)
AUD + drug abuse/dependence	9.5% (67)	3.8% (35)	5.8% (23)	6.4% (212)
Mental disorder	75.6% (531)	59.9% (559)	73.6% (290)	75.0% (2,485)
AUD + mental disorder	16.5% (116)	7.7% (72)	12.7% (50)	11.7% (388)

SD = standard deviation; AUDIT-C = Alcohol Use Disorders Identification Test – Consumption; AUD = alcohol use disorder.

*Number of observations with missing age: Other/Multiple Races (n=1). ** Alcohol-specific diagnosis.

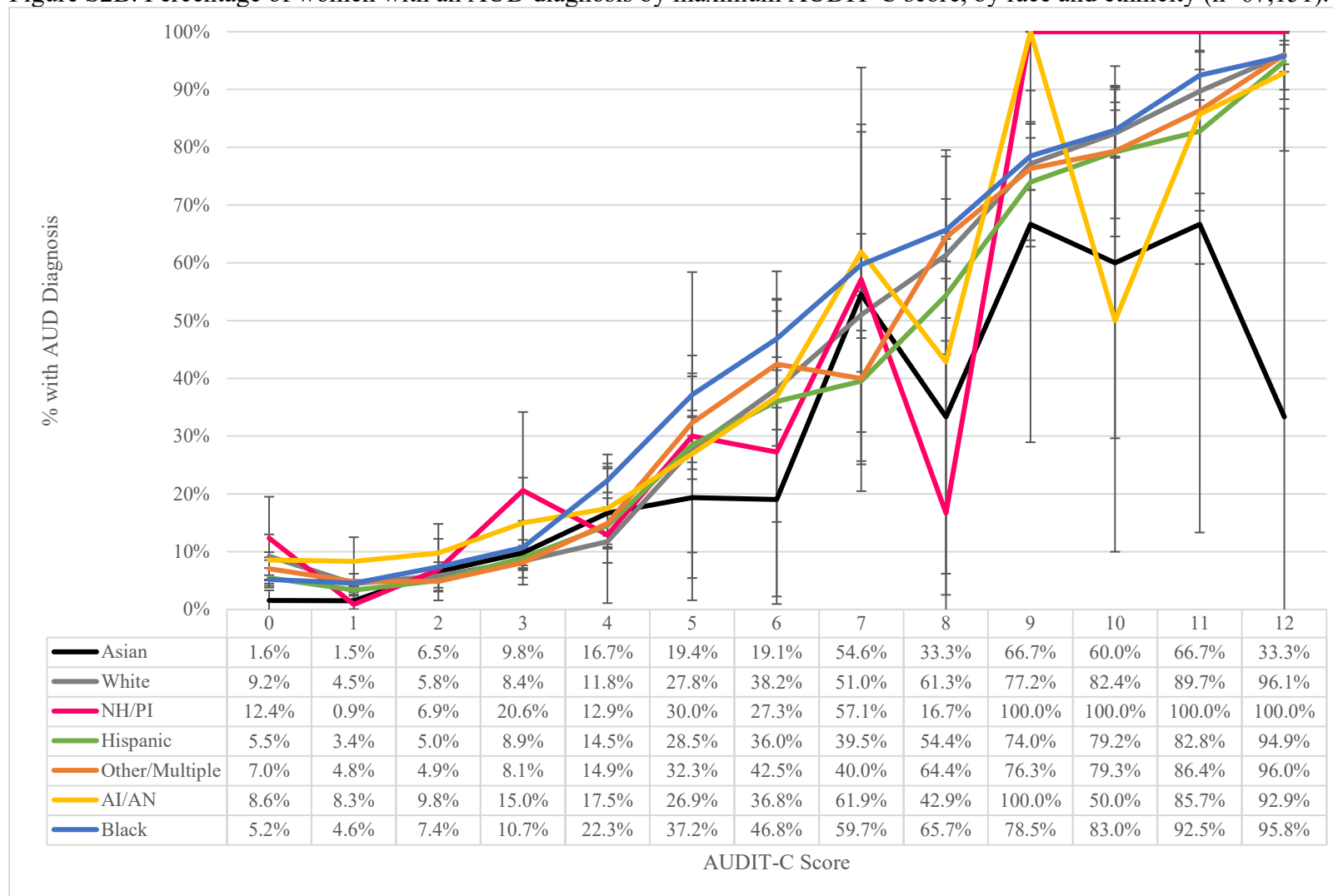
Figure S2A. Percentage of men with an AUD diagnosis by maximum AUDIT-C score, by race and ethnicity (n=672,260).



AUD=alcohol use disorder; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; NH/PI=Native Hawaiian/Pacific Islander; AI/AN=American Indian/Alaska Native.

Note: The connecting lines are for visualization purposes only and should not be interpreted as continuous.

Figure S2B. Percentage of women with an AUD diagnosis by maximum AUDIT-C score, by race and ethnicity (n=67,151).



AUD=alcohol use disorder; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; NH/PI=Native Hawaiian/Pacific Islander; AI/AN=American Indian/Alaska Native.

Note: The connecting lines are for visualization purposes only and should not be interpreted as continuous.

Table S2. International Classification of Disease (ICD) 9 and 10 Diagnostic Codes.

Alcohol Use Disorder			
ICD-9 Codes		ICD-10 Codes	
305.00	Nondependent alcohol abuse, unspecified	F10.10	Alcohol abuse, uncomplicated
305.01	Nondependent alcohol abuse, continuous	F10.11	Alcohol abuse, in remission
305.02	Nondependent alcohol abuse, episodic	F10.120	Alcohol abuse with intoxication, uncomplicated
305.03	Nondependent alcohol abuse, in remission	F10.121	Alcohol abuse with intoxication, delirium
303.00	Acute alcoholic intoxication, unspecified	F10.129	Alcohol abuse with intoxication, unspecified
303.01	Acute alcoholic intoxication, continuous	F10.14	Alcohol abuse with alcohol-induced mood disorder
303.02	Acute alcoholic intoxication, episodic	F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions
303.03	Acute alcoholic intoxication, in remission	F10.151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations
303.90	Other and unspecified alcohol dependence, unspecified	F10.159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified
303.91	Other and unspecified alcohol dependence, continuous	F10.180	Alcohol abuse with alcohol-induced anxiety disorder
303.92	Other and unspecified alcohol dependence, episodic	F10.181	Alcohol abuse with alcohol-induced sexual dysfunction
303.93	Other and unspecified alcohol dependence, in remission	F10.182	Alcohol abuse with alcohol-induced sleep disorder
		F10.188	Alcohol abuse with other alcohol-induced disorder
		F10.19	Alcohol abuse with unspecified alcohol-induced disorder
		F10.20	Alcohol dependence, uncomplicated
		F10.21	Alcohol dependence, in remission
		F10.220	Alcohol dependence with intoxication, uncomplicated
		F10.221	Alcohol dependence with intoxication delirium
		F10.229	Alcohol dependence with intoxication, unspecified
		F10.230	Alcohol dependence with withdrawal, uncomplicated
		F10.231	Alcohol dependence with withdrawal delirium

	F10.232	Alcohol dependence with withdrawal with perceptual disturbance
	F10.239	Alcohol dependence with withdrawal, unspecified
	F10.24	Alcohol dependence with alcohol-induced mood disorder
	F10.250	Alcohol dependence with alcohol-induced psychotic disorder with delusions
	F10.251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations
	F10.259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified
	F10.26	Alcohol dependence with alcohol-induced persisting amnesic disorder
	F10.27	Alcohol dependence with alcohol-induced persisting dementia
	F10.280	Alcohol dependence with alcohol-induced anxiety disorder
	F10.281	Alcohol dependence with alcohol-induced sexual dysfunction
	F10.282	Alcohol dependence with alcohol-induced sleep disorder
	F10.288	Alcohol dependence with other alcohol-induced disorder
	F10.29	Alcohol dependence with unspecified alcohol-induced disorder

Alcohol-Related Disorders

ICD-9 Codes		ICD-10 Codes	
571.2	Alcoholic cirrhosis of liver	K70.3	Alcoholic cirrhosis of liver
		K70.30	Alcoholic cirrhosis of liver without ascites
		K70.31	Alcoholic cirrhosis of liver with ascites
357.5	Alcoholic polyneuropathy	G62.1	Alcoholic polyneuropathy
425.5	Alcoholic cardiomyopathy	I42.6	Alcoholic cardiomyopathy
535.3	Alcoholic gastritis	K29.2	Alcoholic gastritis
535.30	Alcoholic gastritis without mention of hemorrhage	K29.20	Alcoholic gastritis without bleeding
535.31	Alcoholic gastritis with hemorrhage	K29.21	Alcoholic gastritis with bleeding

571.0	Alcoholic fatty liver	K70.0	Alcoholic fatty liver
571.1	Acute alcoholic hepatitis	K70.1	Alcoholic hepatitis
		K70.10	Alcoholic hepatitis without ascites
		K70.11	Alcoholic hepatitis with ascites
571.3	Alcoholic liver damage, unspecified	K70.9	Alcoholic liver disease, unspecified
Drug Abuse or Dependence			
ICD-9 Codes		ICD-10 Codes	
304	Drug dependence	F11.1	Opioid abuse
304.0	Opioid type dependence	F11.10	Opioid abuse, uncomplicated
304.00	Opioid type dependence, unspecified	F11.11	Opioid abuse, in remission
304.01	Opioid type dependence, continuous	F11.12	Opioid abuse with intoxication
304.02	Opioid type dependence, episodic	F11.120	Opioid abuse with intoxication, uncomplicated
304.03	Opioid type dependence, in remission	F11.121	Opioid abuse with intoxication, delirium
304.1	Sedative, hypnotic or anxiolytic dependence	F11.122	Opioid abuse with intoxication, with perceptual disturbance
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	F11.129	Opioid abuse with intoxication, unspecified
304.11	Sedative, hypnotic or anxiolytic dependence, continuous	F11.14	Opioid abuse with opioid-induced mood disorder
304.12	Sedative, hypnotic or anxiolytic dependence, episodic	F11.15	Opioid abuse with opioid-induced psychotic disorder
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions
304.2	Cocaine dependence	F11.151	Opioid abuse with opioid-induced psychotic disorder with hallucinations
304.20	Cocaine dependence, unspecified	F11.159	Opioid abuse with opioid-induced psychotic disorder, unspecified
304.21	Cocaine dependence, continuous	F11.18	Opioid abuse with other opioid-induced disorder
304.22	Cocaine dependence, episodic	F11.181	Opioid abuse with opioid-induced sexual dysfunction
304.23	Cocaine dependence, in remission	F11.182	Opioid abuse with opioid-induced sleep disorder
304.3	Cannabis dependence	F11.188	Opioid abuse with other opioid-induced disorder
304.30	Cannabis dependence, unspecified	F11.19	Opioid abuse with unspecified opioid-induced disorder
304.31	Cannabis dependence, continuous	F11.2	Opioid dependence
304.32	Cannabis dependence, episodic	F11.20	Opioid dependence, uncomplicated

304.33	Cannabis dependence, in remission	F11.21	Opioid dependence, in remission
304.4	Amphetamine and other psychostimulant dependence	F11.22	Opioid dependence with intoxication
304.40	Amphetamine and other psychostimulant dependence, unspecified	F11.220	Opioid dependence with intoxication, uncomplicated
304.41	Amphetamine and other psychostimulant dependence, continuous	F11.221	Opioid dependence with intoxication delirium
304.42	Amphetamine and other psychostimulant dependence, episodic	F11.222	Opioid dependence with intoxication with perceptual disturbance
304.43	Amphetamine and other psychostimulant dependence, in remission	F11.229	Opioid dependence with intoxication, unspecified
304.5	Hallucinogen dependence	F11.23	Opioid dependence with withdrawal
304.50	Hallucinogen dependence, unspecified	F11.24	Opioid dependence with opioid-induced mood disorder
304.51	Hallucinogen dependence, continuous	F11.25	Opioid dependence with opioid-induced psychotic disorder
304.52	Hallucinogen dependence, episodic	F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions
304.53	Hallucinogen dependence, in remission	F11.251	Opioid dependence with opioid-induced psychotic disorder with hallucinations
304.6	Other specified drug dependence	F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified
304.60	Other specified drug dependence, unspecified	F11.28	Opioid dependence with other opioid-induced disorder
304.61	Other specified drug dependence, continuous	F11.281	Opioid dependence with opioid-induced sexual dysfunction
304.62	Other specified drug dependence, episodic	F11.282	Opioid dependence with opioid-induced sleep disorder
304.63	Other specified drug dependence, in remission	F11.288	Opioid dependence with other opioid-induced disorder
304.7	Combinations of opioid type drug with any other drug dependence	F11.29	Opioid dependence with unspecified opioid-induced disorder
304.70	Combinations of opioid type drug with any other drug dependence, unspecified	F12.1	Cannabis abuse
304.71	Combinations of opioid type drug with any other drug dependence, continuous	F12.10	Cannabis abuse, uncomplicated
304.72	Combinations of opioid type drug with any other drug dependence, episodic	F12.11	Cannabis abuse, in remission
304.73	Combinations of opioid type drug with any other drug dependence, in remission	F12.12	Cannabis abuse with intoxication
304.8	Combinations of drug dependence excluding opioid type drug	F12.120	Cannabis abuse with intoxication
304.80	Combinations of drug dependence excluding opioid type drug, unspecified	F12.121	Cannabis abuse with intoxication delirium
304.81	Combinations of drug dependence excluding opioid type drug, continuous	F12.122	Cannabis abuse with intoxication with perceptual disturbance
304.82	Combinations of drug dependence excluding opioid type drug, episodic	F12.129	Cannabis abuse with intoxication, unspecified
304.83	Combinations of drug dependence excluding opioid type drug, in remission	F12.15	Cannabis abuse with psychotic disorder
304.9	Unspecified drug dependence	F12.150	Cannabis abuse with psychotic disorder with delusions
304.90	Unspecified drug dependence, unspecified	F12.151	Cannabis abuse with psychotic disorder with hallucinations
304.91	Unspecified drug dependence, continuous	F12.159	Cannabis abuse with psychotic disorder, unspecified

304.92	Unspecified drug dependence, episodic	F12.18	Cannabis abuse with other cannabis-induced disorder
304.93	Unspecified drug dependence, in remission	F12.180	Cannabis abuse with cannabis-induced anxiety disorder
305.2	Nondependent cannabis abuse	F12.188	Cannabis abuse with other cannabis-induced disorder
305.20	Cannabis abuse, unspecified	F12.19	Cannabis abuse with unspecified cannabis-induced disorder
305.21	Cannabis abuse, continuous	F12.2	Cannabis dependence
305.22	Cannabis abuse, episodic	F12.20	Cannabis dependence, uncomplicated
305.23	Cannabis abuse, in remission	F12.21	Cannabis dependence, in remission
305.3	Nondependent hallucinogen abuse	F12.22	Cannabis dependence with intoxication
305.30	Hallucinogen abuse, unspecified	F12.220	Cannabis dependence with intoxication, uncomplicated
305.31	Hallucinogen abuse, continuous	F12.221	Cannabis dependence with intoxication delirium
305.32	Hallucinogen abuse, episodic	F12.222	Cannabis dependence with intoxication with perceptual disturbance
305.33	Hallucinogen abuse, in remission	F12.229	Cannabis dependence with intoxication, unspecified
305.4	Nondependent sedative, hypnotic or anxiolytic abuse	F12.23	Cannabis dependence with withdrawal
305.40	Sedative, hypnotic or anxiolytic abuse, unspecified	F12.25	Cannabis dependence with psychotic disorder
305.41	Sedative, hypnotic or anxiolytic abuse, continuous	F12.250	Cannabis dependence with psychotic disorder with delusions
305.42	Sedative, hypnotic or anxiolytic abuse, episodic	F12.251	Cannabis dependence with psychotic disorder with hallucinations
305.43	Sedative, hypnotic or anxiolytic abuse, in remission	F12.259	Cannabis dependence with psychotic disorder, unspecified
305.5	Nondependent opioid abuse	F12.28	Cannabis dependence with other cannabis-induced disorder
305.50	Opioid abuse, unspecified	F12.280	Cannabis dependence with cannabis-induced anxiety disorder
305.51	Opioid abuse, continuous	F12.288	Cannabis dependence with other cannabis-induced disorder
305.52	Opioid abuse, episodic	F12.29	Cannabis dependence with unspecified cannabis-induced disorder
305.53	Opioid abuse, in remission	F12.90	Cannabis use, uncomplicated
305.6	Nondependent cocaine abuse	F13.1	Sedative, hypnotic or anxiolytic-related abuse
305.60	Cocaine abuse, unspecified	F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated
305.61	Cocaine abuse, continuous	F13.11	Sedative, hypnotic or anxiolytic abuse, in remission
305.62	Cocaine abuse, episodic	F13.12	Sedative, hypnotic or anxiolytic abuse with intoxication
305.63	Cocaine abuse, in remission	F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated
305.7	Nondependent amphetamine or related acting sympathomimetic abuse	F13.121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium
305.70	Amphetamine or related acting sympathomimetic abuse, unspecified	F13.129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified

305.71	Amphetamine or related acting sympathomimetic abuse, continuous	F13.14	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder
305.72	Amphetamine or related acting sympathomimetic abuse, episodic	F13.15	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder
305.73	Amphetamine or related acting sympathomimetic abuse, in remission	F13.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
305.8	Nondependent antidepressant type abuse	F13.151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations
305.80	Antidepressant type abuse, unspecified	F13.159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified
305.81	Antidepressant type abuse, continuous	F13.18	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorders
305.82	Antidepressant type abuse, episodic	F13.180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder
305.83	Antidepressant type abuse, in remission	F13.181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction
305.9	Nondependent other mixed or unspecified drug abuse	F13.182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder
305.90	Other, mixed, or unspecified drug abuse, unspecified	F13.188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder
305.91	Other, mixed, or unspecified drug abuse, continuous	F13.19	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder
305.92	Other, mixed, or unspecified drug abuse, episodic	F13.2	Sedative, hypnotic or anxiolytic-related dependence
305.93	Other, mixed, or unspecified drug abuse, in remission	F13.20	Sedative, hypnotic or anxiolytic dependence, uncomplicated
		F13.21	Sedative, hypnotic or anxiolytic dependence, in remission
		F13.22	Sedative, hypnotic or anxiolytic dependence with intoxication
		F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated
		F13.221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium
		F13.229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified
		F13.23	Sedative, hypnotic or anxiolytic dependence with withdrawal
		F13.230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated
		F13.231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium
		F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance
		F13.239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified
		F13.24	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder
		F13.25	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder

	F13.250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
	F13.251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations
	F13.259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified
	F13.26	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder
	F13.27	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia
	F13.28	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorders
	F13.280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder
	F13.281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction
	F13.282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder
	F13.288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder
	F13.29	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder
	F14.1	Cocaine abuse
	F14.10	Cocaine abuse, uncomplicated
	F14.11	Cocaine abuse, in remission
	F14.12	Cocaine abuse with intoxication
	F14.120	Cocaine abuse with intoxication, uncomplicated
	F14.121	Cocaine abuse with intoxication with delirium
	F14.122	Cocaine abuse with intoxication with perceptual disturbance
	F14.129	Cocaine abuse with intoxication, unspecified
	F14.14	Cocaine abuse with cocaine-induced mood disorder
	F14.15	Cocaine abuse with cocaine-induced psychotic disorder
	F14.150	Cocaine abuse with cocaine-induced psychotic disorder with delusions
	F14.151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations
	F14.159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified
	F14.18	Cocaine abuse with other cocaine-induced disorder
	F14.180	Cocaine abuse with cocaine-induced anxiety disorder

	F14.181	Cocaine abuse with cocaine-induced sexual dysfunction
	F14.182	Cocaine abuse with cocaine-induced sleep disorder
	F14.188	Cocaine abuse with other cocaine-induced disorder
	F14.19	Cocaine abuse with unspecified cocaine-induced disorder
	F14.2	Cocaine dependence
	F14.20	Cocaine dependence, uncomplicated
	F14.21	Cocaine dependence, in remission
	F14.22	Cocaine dependence with intoxication
	F14.220	Cocaine dependence with intoxication, uncomplicated
	F14.221	Cocaine dependence with intoxication delirium
	F14.222	Cocaine dependence with intoxication with perceptual disturbance
	F14.229	Cocaine dependence with intoxication, unspecified
	F14.23	Cocaine dependence with withdrawal
	F14.24	Cocaine dependence with cocaine-induced mood disorder
	F14.25	Cocaine dependence with cocaine-induced psychotic disorder
	F14.250	Cocaine dependence with cocaine-induced psychotic disorder with delusions
	F14.251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations
	F14.259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified
	F14.28	Cocaine dependence with other cocaine-induced disorder
	F14.280	Cocaine dependence with cocaine-induced anxiety disorder
	F14.281	Cocaine dependence with cocaine-induced sexual dysfunction
	F14.282	Cocaine dependence with cocaine-induced sleep disorder
	F14.288	Cocaine dependence with other cocaine-induced disorder
	F14.29	Cocaine dependence with unspecified cocaine-induced disorder
	F15.1	Other stimulant abuse
	F15.10	Other stimulant abuse, uncomplicated
	F15.11	Other stimulant abuse, in remission
	F15.12	Other stimulant abuse with intoxication
	F15.120	Other stimulant abuse with intoxication, uncomplicated

	F15.121	Other stimulant abuse with intoxication delirium
	F15.122	Other stimulant abuse with intoxication with perceptual disturbance
	F15.129	Other stimulant abuse with intoxication, unspecified
	F15.14	Other stimulant abuse with stimulant-induced mood disorder
	F15.15	Other stimulant abuse with stimulant-induced psychotic disorder
	F15.150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions
	F15.151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations
	F15.159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified
	F15.18	Other stimulant abuse with other stimulant-induced disorder
	F15.180	Other stimulant abuse with stimulant-induced anxiety disorder
	F15.181	Other stimulant abuse with stimulant-induced sexual dysfunction
	F15.182	Other stimulant abuse with stimulant-induced sleep disorder
	F15.188	Other stimulant abuse with other stimulant-induced disorder
	F15.19	Other stimulant abuse with unspecified stimulant-induced disorder
	F15.2	Other stimulant dependence
	F15.20	Other stimulant dependence, uncomplicated
	F15.21	Other stimulant dependence, in remission
	F15.22	Other stimulant dependence with intoxication
	F15.220	Other stimulant dependence with intoxication, uncomplicated
	F15.221	Other stimulant dependence with intoxication delirium
	F15.222	Other stimulant dependence with intoxication with perceptual disturbance
	F15.229	Other stimulant dependence with intoxication, unspecified
	F15.23	Other stimulant dependence with withdrawal
	F15.24	Other stimulant dependence with stimulant-induced mood disorder
	F15.25	Other stimulant dependence with stimulant-induced psychotic disorder
	F15.250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions
	F15.251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations
	F15.259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified
	F15.28	Other stimulant dependence with other stimulant-induced disorder

F15.280	Other stimulant dependence with stimulant-induced anxiety disorder
F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction
F15.282	Other stimulant dependence with stimulant-induced sleep disorder
F15.288	Other stimulant dependence with other stimulant-induced disorder
F15.29	Other stimulant dependence with unspecified stimulant-induced disorder
F16.1	Hallucinogen abuse
F16.10	Hallucinogen abuse, uncomplicated
F16.11	Hallucinogen abuse, in remission
F16.12	Hallucinogen abuse with intoxication
F16.120	Hallucinogen abuse with intoxication, uncomplicated
F16.121	Hallucinogen abuse with intoxication with delirium
F16.122	Hallucinogen abuse with intoxication with perceptual disturbance
F16.129	Hallucinogen abuse with intoxication, unspecified
F16.14	Hallucinogen abuse with hallucinogen-induced mood disorder
F16.15	Hallucinogen abuse with hallucinogen-induced psychotic disorder
F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions
F16.151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations
F16.159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified
F16.18	Hallucinogen abuse with other hallucinogen-induced disorder
F16.180	Hallucinogen abuse with hallucinogen-induced anxiety disorder
F16.183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)
F16.188	Hallucinogen abuse with other hallucinogen-induced disorder
F16.19	Hallucinogen abuse with unspecified hallucinogen-induced disorder
F16.2	Hallucinogen dependence
F16.20	Hallucinogen dependence, uncomplicated
F16.21	Hallucinogen dependence, in remission
F16.22	Hallucinogen dependence with intoxication
F16.220	Hallucinogen dependence with intoxication, uncomplicated
F16.221	Hallucinogen dependence with intoxication with delirium

	F16.229	Hallucinogen dependence with intoxication, unspecified
	F16.24	Hallucinogen dependence with hallucinogen-induced mood disorder
	F16.25	Hallucinogen dependence with hallucinogen-induced psychotic disorder
	F16.250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions
	F16.251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations
	F16.259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified
	F16.28	Hallucinogen dependence with other hallucinogen-induced disorder
	F16.280	Hallucinogen dependence with hallucinogen-induced anxiety disorder
	F16.283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)
	F16.288	Hallucinogen dependence with other hallucinogen-induced disorder
	F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder
	F18.1	Inhalant abuse
	F18.10	Inhalant abuse, uncomplicated
	F18.11	Inhalant abuse, in remission
	F18.12	Inhalant abuse with intoxication
	F18.120	Inhalant abuse with intoxication, uncomplicated
	F18.121	Inhalant abuse with intoxication delirium
	F18.129	Inhalant abuse with intoxication, unspecified
	F18.14	Inhalant abuse with inhalant-induced mood disorder
	F18.15	Inhalant abuse with inhalant-induced psychotic disorder
	F18.150	Inhalant abuse with inhalant-induced psychotic disorder with delusions
	F18.151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations
	F18.159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified
	F18.17	Inhalant abuse with inhalant-induced dementia
	F18.18	Inhalant abuse with other inhalant-induced disorders
	F18.180	Inhalant abuse with inhalant-induced anxiety disorder
	F18.188	Inhalant abuse with other inhalant-induced disorder
	F18.19	Inhalant abuse with unspecified inhalant-induced disorder
	F18.2	Inhalant dependence

	F18.20	Inhalant dependence, uncomplicated
	F18.21	Inhalant dependence, in remission
	F18.22	Inhalant dependence with intoxication
	F18.220	Inhalant dependence with intoxication, uncomplicated
	F18.221	Inhalant dependence with intoxication delirium
	F18.229	Inhalant dependence with intoxication, unspecified
	F18.24	Inhalant dependence with inhalant-induced mood disorder
	F18.25	Inhalant dependence with inhalant-induced psychotic disorder
	F18.250	Inhalant dependence with inhalant-induced psychotic disorder with delusions
	F18.251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations
	F18.259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified
	F18.27	Inhalant dependence with inhalant-induced dementia
	F18.28	Inhalant dependence with other inhalant-induced disorders
	F18.280	Inhalant dependence with inhalant-induced anxiety disorder
	F18.288	Inhalant dependence with other inhalant-induced disorder
	F18.29	Inhalant dependence with unspecified inhalant-induced disorder
	F19.1	Other psychoactive substance abuse
	F19.10	Other psychoactive substance abuse, uncomplicated
	F19.11	Other psychoactive substance abuse, in remission
	F19.12	Other psychoactive substance abuse with intoxication
	F19.120	Other psychoactive substance abuse with intoxication, uncomplicated
	F19.121	Other psychoactive substance abuse with intoxication delirium
	F19.122	Other psychoactive substance abuse with intoxication with perceptual disturbances
	F19.129	Other psychoactive substance abuse with intoxication, unspecified
	F19.14	Other psychoactive substance abuse with psychoactive substance-induced mood disorder
	F19.15	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder
	F19.150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions
	F19.151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations

	F19.159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified
	F19.16	Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder
	F19.17	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia
	F19.18	Other psychoactive substance abuse with other psychoactive substance-induced disorders
	F19.180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder
	F19.181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction
	F19.182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder
	F19.188	Other psychoactive substance abuse with other psychoactive substance-induced disorder
	F19.19	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder
	F19.2	Other psychoactive substance dependence
	F19.20	Other psychoactive substance dependence, uncomplicated
	F19.21	Other psychoactive substance dependence, in remission
	F19.22	Other psychoactive substance dependence with intoxication
	F19.220	Other psychoactive substance dependence with intoxication, uncomplicated
	F19.221	Other psychoactive substance dependence with intoxication delirium
	F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance
	F19.229	Other psychoactive substance dependence with intoxication, unspecified
	F19.23	Other psychoactive substance dependence with withdrawal
	F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated
	F19.231	Other psychoactive substance dependence with withdrawal delirium
	F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance
	F19.239	Other psychoactive substance dependence with withdrawal, unspecified
	F19.24	Other psychoactive substance dependence with psychoactive substance-induced mood disorder
	F19.25	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder
	F19.250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions

	F19.251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations
	F19.259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified
	F19.26	Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder
	F19.27	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia
	F19.28	Other psychoactive substance dependence with other psychoactive substance-induced disorders
	F19.280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder
	F19.281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction
	F19.282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder
	F19.288	Other psychoactive substance dependence with other psychoactive substance-induced disorder
	F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder

Mental Disorders

ICD-9 Codes		ICD-10 Codes	
295.0	Simple type schizophrenia	F20	Schizophrenia
295.00	Simple type schizophrenia, unspecified	F20.0	Paranoid schizophrenia
295.01	Simple type schizophrenia, subchronic	F20.1	Disorganized schizophrenia
295.02	Simple type schizophrenia, chronic	F20.2	Catatonic schizophrenia
295.03	Simple type schizophrenia, subchronic with acute exacerbation	F20.3	Undifferentiated schizophrenia
295.04	Simple type schizophrenia, chronic with acute exacerbation	F20.5	Residual schizophrenia
295.05	Simple type schizophrenia, in remission	F20.8	Other schizophrenia
295.1	Disorganized type schizophrenia	F20.81	Schizophreniform disorder
295.10	Disorganized type schizophrenia, unspecified	F20.89	Other schizophrenia
295.11	Disorganized type schizophrenia, subchronic	F20.9	Schizophrenia, unspecified
295.12	Disorganized type schizophrenia, chronic	F25	Schizoaffective disorders
295.13	Disorganized type schizophrenia, subchronic with acute exacerbation	F25.0	Schizoaffective disorder, bipolar type
295.14	Disorganized type schizophrenia, chronic with acute exacerbation	F25.1	Schizoaffective disorder, depressive type
295.15	Disorganized type schizophrenia, in remission	F25.8	Other schizoaffective disorders

295.2	Catatonic type schizophrenia	F25.9	Schizoaffective disorder, unspecified
295.20	Catatonic type schizophrenia, unspecified	F31	Bipolar disorder
295.21	Catatonic type schizophrenia, subchronic	F31.0	Bipolar disorder, current episode hypomanic
295.22	Catatonic type schizophrenia, chronic	F31.1	Bipolar disorder, current episode manic without psychotic features
295.23	Catatonic type schizophrenia, subchronic with acute exacerbation	F31.10	Bipolar disorder, current episode manic without psychotic features, unspecified
295.24	Catatonic type schizophrenia, chronic with acute exacerbation	F31.11	Bipolar disorder, current episode manic without psychotic features, mild
295.25	Catatonic type schizophrenia, in remission	F31.12	Bipolar disorder, current episode manic without psychotic features, moderate
295.3	Paranoid type schizophrenia	F31.13	Bipolar disorder, current episode manic without psychotic features, severe
295.30	Paranoid type schizophrenia, unspecified	F31.2	Bipolar disorder, current episode manic severe with psychotic features
295.31	Paranoid type schizophrenia, subchronic	F31.3	Bipolar disorder, current episode depressed, mild or moderate severity
295.32	Paranoid type schizophrenia, chronic	F31.30	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified
295.33	Paranoid type schizophrenia, subchronic with acute exacerbation	F31.31	Bipolar disorder, current episode depressed, mild
295.34	Paranoid type schizophrenia, chronic with acute exacerbation	F31.32	Bipolar disorder, current episode depressed, moderate
295.35	Paranoid type schizophrenia, in remission	F31.4	Bipolar disorder, current episode depressed, severe, without psychotic features
295.4	Schizophreniform disorder	F31.5	Bipolar disorder, current episode depressed, severe, with psychotic features
295.40	Schizophreniform disorder, unspecified	F31.6	Bipolar disorder, current episode mixed
295.41	Schizophreniform disorder, subchronic	F31.60	Bipolar disorder, current episode mixed, unspecified
295.42	Schizophreniform disorder, chronic	F31.61	Bipolar disorder, current episode mixed, mild
295.43	Schizophreniform disorder, subchronic with acute exacerbation	F31.62	Bipolar disorder, current episode mixed, moderate
295.44	Schizophreniform disorder, chronic with acute exacerbation	F31.63	Bipolar disorder, current episode mixed, severe, without psychotic features
295.45	Schizophreniform disorder, in remission	F31.64	Bipolar disorder, current episode mixed, severe, with psychotic features
295.5	Latent schizophrenia	F31.7	Bipolar disorder, currently in remission
295.50	Latent schizophrenia, unspecified	F31.70	Bipolar disorder, currently in remission, most recent episode unspecified
295.51	Latent schizophrenia, subchronic	F31.71	Bipolar disorder, in partial remission, most recent episode hypomanic
295.52	Latent schizophrenia, chronic	F31.72	Bipolar disorder, in full remission, most recent episode hypomanic
295.53	Latent schizophrenia, subchronic with acute exacerbation	F31.73	Bipolar disorder, in partial remission, most recent episode manic
295.54	Latent schizophrenia, chronic with acute exacerbation	F31.74	Bipolar disorder, in full remission, most recent episode manic
295.55	Latent schizophrenia, in remission	F31.75	Bipolar disorder, in partial remission, most recent episode depressed
295.6	Schizophrenic disorder, residual type	F31.76	Bipolar disorder, in full remission, most recent episode depressed

295.60	Schizophrenic disorders, residual type, unspecified	F31.77	Bipolar disorder, in partial remission, most recent episode mixed
295.61	Schizophrenic disorders, residual type, subchronic	F31.78	Bipolar disorder, in full remission, most recent episode mixed
295.62	Schizophrenic disorders, residual type, chronic	F31.8	Other bipolar disorders
295.63	Schizophrenic disorders, residual type, subchronic with acute exacerbation	F31.81	Bipolar II disorder
295.64	Schizophrenic disorders, residual type, chronic with acute exacerbation	F31.89	Other bipolar disorder
295.65	Schizophrenic disorders, residual type, in remission	F31.9	Bipolar disorder, unspecified
295.8	Other specified types of schizophrenia	F30.10	Manic episode without psychotic symptoms, unspecified
295.80	Other specified types of schizophrenia, unspecified	F30.11	Manic episode without psychotic symptoms, mild
295.81	Other specified types of schizophrenia, subchronic	F30.12	Manic episode without psychotic symptoms, moderate
295.82	Other specified types of schizophrenia, chronic	F30.13	Manic episode, severe, without psychotic symptoms
295.83	Other specified types of schizophrenia, subchronic with acute exacerbation	F30.2	Manic episode, severe with psychotic symptoms
295.84	Other specified types of schizophrenia, chronic with acute exacerbation	F30.3	Manic episode in partial remission
295.85	Other specified types of schizophrenia, in remission	F30.4	Manic episode in full remission
295.9	Unspecified schizophrenia	F30.8	Other manic episodes
295.90	Unspecified schizophrenia, unspecified	F32.89	Other specified depressive episodes
295.91	Unspecified schizophrenia, subchronic	F39	Unspecified mood [affective] disorder
295.92	Unspecified schizophrenia, chronic	F34.81	Disruptive mood dysregulation disorder
295.93	Unspecified schizophrenia, subchronic with acute exacerbation	F34.89	Other specified persistent mood disorders
295.94	Unspecified schizophrenia, chronic with acute exacerbation	F32.9	Major depressive disorder, single episode, unspecified
295.95	Unspecified schizophrenia, in remission	F32.0	Major depressive disorder, single episode, mild
V11.0	Schizoaffective disorder	F32.1	Major depressive disorder, single episode, moderate
295.7	Schizoaffective disorder	F32.2	Major depressive disorder, single episode, severe without psychotic features
295.70	Schizoaffective disorder, unspecified	F32.3	Major depressive disorder, single episode, severe with psychotic features
295.71	Schizoaffective disorder, subchronic	F32.4	Major depressive disorder, single episode, in partial remission
295.72	Schizoaffective disorder, chronic	F32.5	Major depressive disorder, single episode, in full remission
295.73	Schizoaffective disorder, subchronic with acute exacerbation	F33.0	Major depressive disorder, recurrent, mild
295.74	Schizoaffective disorder, chronic with acute exacerbation	F33.1	Major depressive disorder, recurrent, moderate
295.75	Schizoaffective disorder, in remission	F33.2	Major depressive disorder, recurrent severe without psychotic features
296.0	Bipolar I disorder, single manic episode	F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms

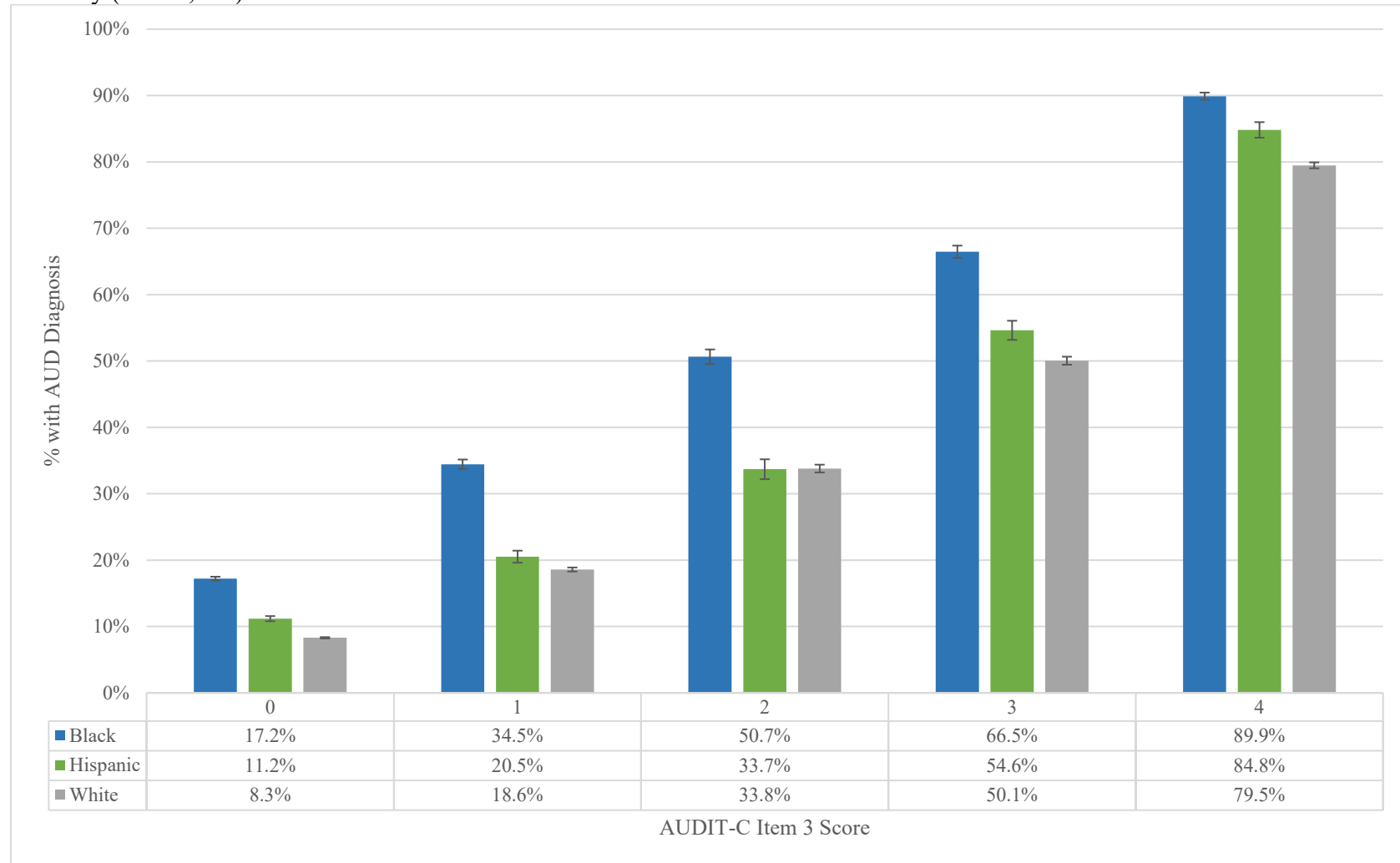
296.00	Bipolar I disorder, single manic episode, unspecified	F33.4	Major depressive disorder, recurrent, in remission
296.01	Bipolar I disorder, single manic episode, mild	F33.40	Major depressive disorder, recurrent, in remission, unspecified
296.02	Bipolar I disorder, single manic episode, moderate	F33.41	Major depressive disorder, recurrent, in partial remission
296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior	F33.42	Major depressive disorder, recurrent, in full remission
296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior	F33.9	Major depressive disorder, recurrent, unspecified
296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission	F41	Other anxiety disorders
296.06	Bipolar I disorder, single manic episode, in full remission	F41.0	Panic disorder [episodic paroxysmal anxiety]
296.1	Manic disorder recurrent episode	F41.1	Generalized anxiety disorder
296.10	Manic affective disorder, recurrent episode, unspecified	F41.3	Other mixed anxiety disorders
296.11	Manic affective disorder, recurrent episode, mild	F41.8	Other specified anxiety disorders
296.12	Manic affective disorder, recurrent episode, moderate	F41.9	Anxiety disorder, unspecified
296.13	Manic affective disorder, recurrent episode, severe, without mention of psychotic behavior	F43.1	Post-traumatic stress disorder (PTSD)
296.14	Manic affective disorder, recurrent episode, severe, specified as with psychotic behavior	F43.10	Post-traumatic stress disorder, unspecified
296.15	Manic affective disorder, recurrent episode, in partial or unspecified remission	F43.11	Post-traumatic stress disorder, acute
296.16	Manic affective disorder, recurrent episode, in full remission	F43.12	Post-traumatic stress disorder, chronic
296.4	Bipolar I disorder, most recent episode (or current) manic		
296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified		
296.41	Bipolar I disorder, most recent episode (or current) manic, mild		
296.42	Bipolar I disorder, most recent episode (or current) manic, moderate		
296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior		
296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as with psychotic behavior		
296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified remission		
296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission		
296.5	Bipolar I disorder, most recent episode (or current) depressed		
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified		
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild		
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate		
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior		
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior		

296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission
296.6	Bipolar I disorder, most recent episode (or current) mixed
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission
296.7	Bipolar I disorder, most recent episode (or current) unspecified
296.8	Other and unspecified bipolar disorders
296.80	Bipolar disorder, unspecified
296.81	Atypical manic disorder
296.82	Atypical depressive disorder
296.89	Other bipolar disorders
296.9	Other and unspecified episodic mood disorder
296.90	Unspecified episodic mood disorder
296.99	Other specified episodic mood disorder
V11.1	Personal history of affective disorders
296.20	Major depressive affective disorder, single episode, unspecified
296.21	Major depressive affective disorder, single episode, mild
296.22	Major depressive affective disorder, single episode, moderate
296.23	Major depressive affective disorder, single episode, severe, without mention of psychotic behavior
296.24	Major depressive affective disorder, single episode, severe, specified as with psychotic behavior
296.25	Major depressive affective disorder, single episode, in partial or unspecified remission
296.26	Major depressive affective disorder, single episode, in full remission
296.3	Major depressive disorder recurrent episode
296.30	Major depressive affective disorder, recurrent episode, unspecified

296.31	Major depressive affective disorder, recurrent episode, mild
296.32	Major depressive affective disorder, recurrent episode, moderate
296.33	Major depressive affective disorder, recurrent episode, severe, without mention of psychotic behavior
296.34	Major depressive affective disorder, recurrent episode, severe, specified as with psychotic behavior
296.35	Major depressive affective disorder, recurrent episode, in partial or unspecified remission
296.36	Major depressive affective disorder, recurrent episode, in full remission
300.00	Anxiety state, unspecified
300.01	Panic disorder without agoraphobia
300.02	Generalized anxiety disorder
300.09	Other anxiety states
799.2	Nervousness
309.81	Posttraumatic stress disorder

Note: If the codes were given in the outpatient setting, two codes were required for a diagnosis. If the codes were given in the inpatient setting, only one code was required for a diagnosis.

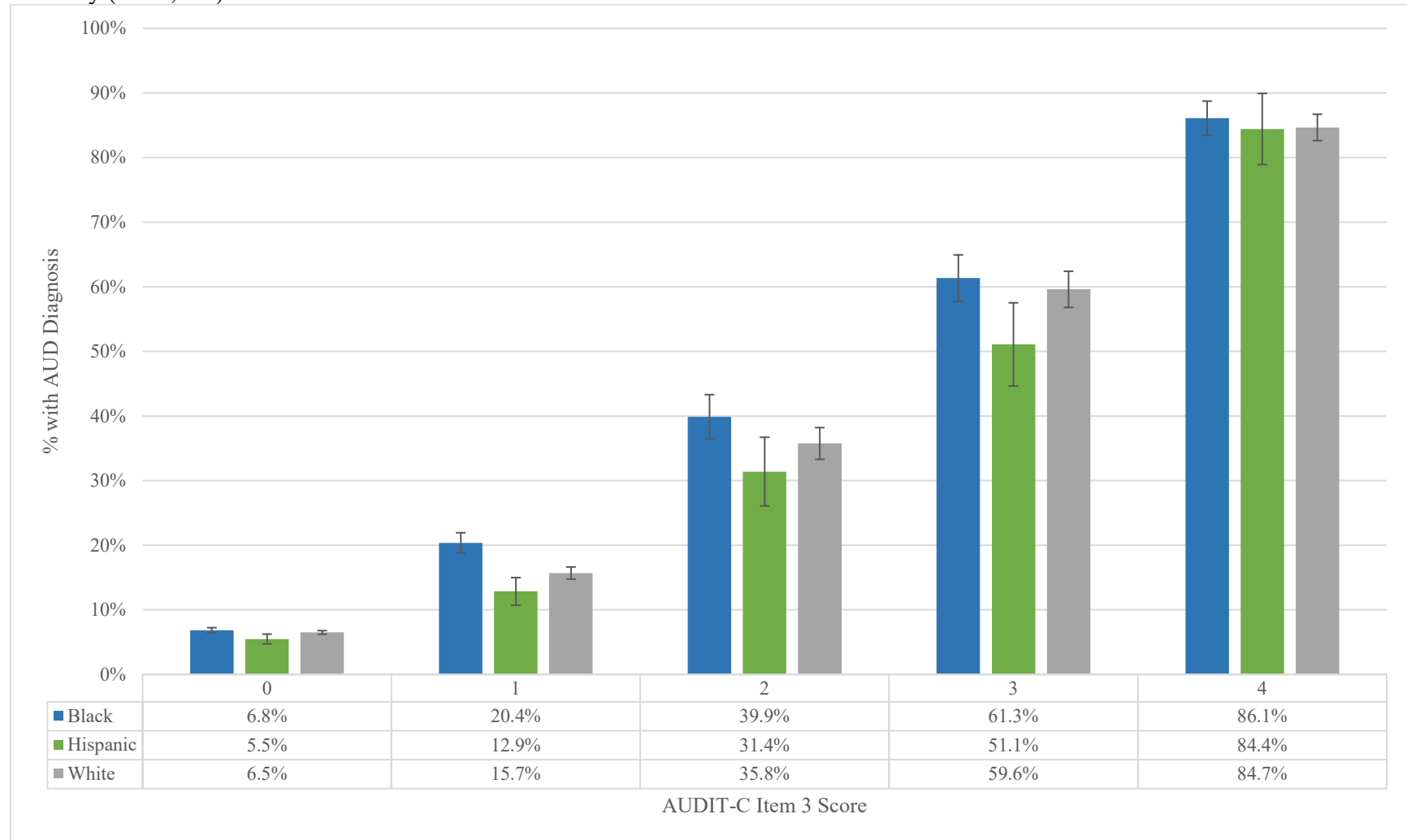
Figure S3A. Percentage of men with an AUD diagnosis by maximum heavy episodic drinking frequency, stratified by race and ethnicity (n=638,165).



AUD=alcohol use disorder; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption.

Note: Heavy episodic drinking frequency is measured by the 3rd item of the AUDIT-C where 0=never, 1=less than monthly, 2=monthly, 3=weekly, and 4=daily or almost daily.

Figure S3B. Percentage of women with an AUD diagnosis by maximum heavy episodic drinking frequency, stratified by race and ethnicity (n=61,805).



AUD=alcohol use disorder; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption.

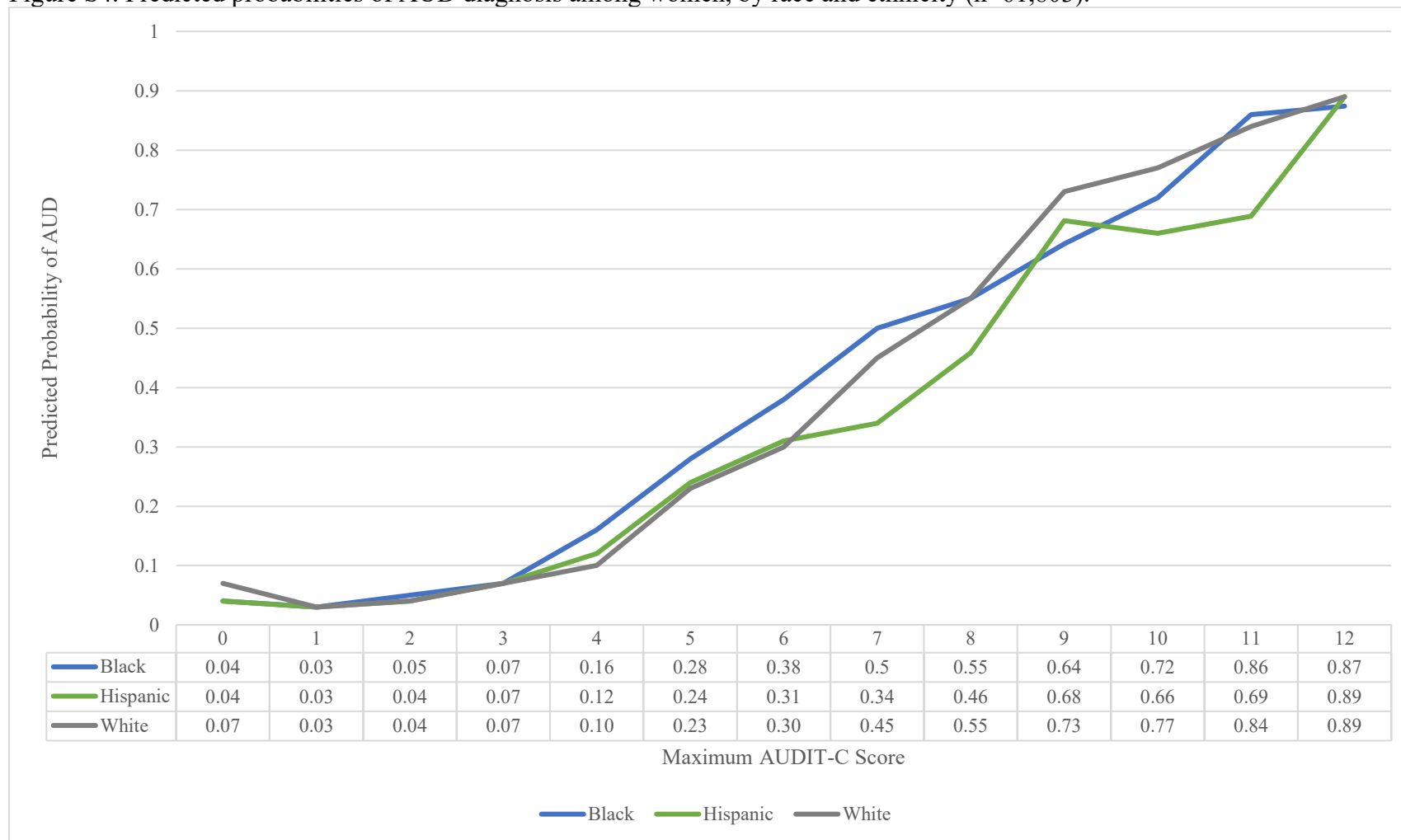
Note: Heavy episodic drinking frequency is measured by the 3rd item of the AUDIT-C where 0=never, 1=less than monthly, 2=monthly, 3=weekly, and 4=daily or almost daily.

Table S3. Adjusted association between sex and AUD diagnosis, stratified by race and ethnicity.

<i>Variables</i>	Black (n=137,054)*		Hispanic (n=50,413)*		White (n=512,485)*	
	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>
Highest AUDIT-C score	1.47 (1.46, 1.48)	<0.001	1.46 (1.45, 1.48)	<0.001	1.48 (1.47, 1.48)	<0.001
Women (ref=men)	0.57 (0.54, 0.61)	<0.001	0.70 (0.62, 0.78)	<0.001	0.68 (0.65, 0.71)	<0.001
Age (10-yr increments)	1.13 (1.12, 1.15)	<0.001	1.12 (1.10, 1.14)	<0.001	1.03 (1.02, 1.04)	<0.001
<i>Alcohol-Related Characteristics</i>						
Cirrhosis**	14.20 (11.64, 17.31)	<0.001	22.73 (18.01, 28.69)	<0.001	18.31 (16.78, 19.98)	<0.001
Neuropathy**	16.37 (8.93, 30.01)	<0.001	8.27 (2.01, 34.04)	0.003	15.69 (12.35, 19.93)	<0.001
Cardiomyopathy**	20.13 (13.01, 31.16)	<0.001	26.41 (9.88, 70.64)	<0.001	15.77 (12.15, 20.48)	<0.001
Gastritis**	35.87 (14.93, 86.13)	<0.001	10.38 (2.59, 41.72)	0.001	36.98 (21.49, 63.70)	<0.001
Fatty liver disease**	3.93 (2.95, 5.23)	<0.001	3.79 (2.67, 5.39)	<0.001	5.01 (4.38, 5.74)	<0.001
Hepatitis**	14.07 (8.99, 22.02)	<0.001	20.95 (9.61, 45.68)	<0.001	16.55 (12.42, 22.05)	<0.001
Liver damage**	8.94 (5.80, 13.79)	<0.001	5.20 (2.90, 9.31)	<0.001	9.95 (7.74, 12.79)	<0.001
<i>Other Clinical ICD-9/10 Diagnoses</i>						
Drug abuse/dependence	16.73 (16.13, 17.35)	<0.001	12.80 (11.93, 13.72)	<0.001	11.19 (10.91, 11.48)	<0.001
Mental disorder	2.68 (2.58, 2.78)	<0.001	3.19 (2.98, 3.42)	<0.001	3.47 (3.39, 3.54)	<0.001
C-statistic	0.92		0.90		0.89	

aOR=adjusted odds ratio; 95% CI =95% confidence interval; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; AUD=alcohol use disorder. *Number of observations with missing age: Black men (n=5); Black women (n=1); Hispanic men (n=8); Hispanic women (n=1); White men (n=42); White women (n=3). **Alcohol-specific diagnosis.

Figure S4. Predicted probabilities of AUD diagnosis among women, by race and ethnicity (n=61,803).



AUD=alcohol use disorder; AUDIT-C= Alcohol Use Disorders Identification Test – Consumption.

Note: These estimates come from the multivariable logistic regression model of factors associated with AUD diagnosis (Table 2). Age was set at 51 years (mean age for women), mental disorder=1, all other covariates=0. The connecting lines are for visualization purposes only since the interaction was accounted for by a composite variable of race/ethnicity and maximum AUDIT-C score, and should not be interpreted as continuous.

Table S4. Sensitivity analysis of factors associated with AUD diagnosis using age-adjusted mean AUDIT-C score as the measure of alcohol consumption, overall and stratified by sex.

<i>Variables</i>	Overall (n=699,952)*		Men (n=638,149)*		Women (n=61,803)*	
	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>
Race and ethnicity x age-adjusted mean AUDIT-C score**						
Black (ref=White)	2.13 (2.03, 2.24)	<0.001	2.13 (2.03, 2.25)	<0.001	1.66 (1.44, 1.90)	<0.001
Hispanic (ref=White)	1.22 (1.14, 1.32)	<0.001	1.21 (1.12, 1.30)	<0.001	1.28 (1.03, 1.60)	0.028
Women (ref=men)	0.59 (0.57, 0.61)	<0.001	-	-	-	-
Age (10-yr increments)	1.01 (1.01, 1.02)	<0.001	1.01 (1.00, 1.02)	0.002	1.04 (1.01, 1.06)	0.004
<i>Alcohol-Related Characteristics</i>						
Cirrhosis***	21.13 (19.67, 22.71)	<0.001	20.81 (18.36, 22.38)	<0.001	27.50 (16.70, 45.28)	<0.001
Neuropathy***	21.17 (17.16, 26.12)	<0.001	20.15 (16.32, 24.88)	<0.001	314.45 (35.15, >999.99)	<0.001
Cardiomyopathy***	21.83 (17.70, 26.93)	<0.001	21.49 (17.41, 26.53)	<0.001	41.43 (6.14, 279.36)	<0.001
Gastritis***	45.49 (29.94, 69.13)	<0.001	46.82 (30.38, 72.15)	<0.001	22.61 (4.50, 113.63)	<0.001
Fatty liver disease***	5.63 (5.03, 6.29)	<0.001	5.65 (5.05, 6.33)	<0.001	5.33 (2.97, 9.56)	<0.001
Hepatitis***	21.61 (17.31, 26.98)	<0.001	22.65 (18.02, 28.45)	<0.001	6.68 (2.65, 16.82)	<0.001
Liver damage***	10.54 (8.60, 12.90)	<0.001	10.12 (8.24, 12.44)	<0.001	28.51 (9.43, 86.21)	<0.001
<i>Other Clinical ICD-9/10 Diagnoses</i>						
Drug abuse/dependence	14.72 (14.45, 15.00)	<0.001	14.55 (14.26, 14.84)	<0.001	15.75 (14.75, 16.82)	<0.001
Mental disorder	3.98 (3.91, 4.05)	<0.001	3.89 (3.82, 3.97)	<0.001	6.97 (6.23, 7.81)	<0.001
C-statistic	0.88		0.88		0.88	

aOR=adjusted odds ratio; 95% CI =95% confidence interval; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; AUD=alcohol use disorder. * Number of observations with missing age: Black men (n=5); Hispanic men (n=8); White men (n=42); Black women (n=1); Hispanic women (n=1); White women (n=3). ** Odds ratios displayed at age-adjusted mean AUDIT-C scores equal to those in the primary analysis (mean=3, 3, 2 for overall, men, and women, respectively). *** Alcohol-specific diagnosis.

Table S5. Sensitivity analysis of individuals with a maximum AUDIT-C greater than zero, overall and stratified by sex.

<i>Variables</i>	Overall (n=552,437)*		Men (n=501,685)*		Women (n=50,752)*	
	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>
Race and ethnicity x highest AUDIT-C score**		<0.0001 ^a		<0.0001 ^a		<0.0001 ^a
Black (ref=White)	2.16 (2.05, 2.27)	<0.0001	2.20 (2.08, 2.32)	<0.0001	1.12 (0.93, 1.36)	0.2431
Hispanic (ref=White)	1.31 (1.20, 1.42)	<0.0001	1.30 (1.19, 1.43)	<0.0001	1.10 (0.81, 1.50)	0.5392
Women (ref=men)	0.71 (0.68, 0.73)	<0.0001	-	-	-	-
Age (10-yr increments)	1.07 (1.06, 1.07)	<0.0001	1.07 (1.06, 1.07)	<0.0001	1.09 (1.06, 1.12)	<0.0001
<i>Alcohol-Related Characteristics</i>						
Cirrhosis***	16.69 (15.24, 18.29)	<0.0001	16.52 (15.07, 18.11)	<0.0001	19.84 (10.78, 36.52)	<0.0001
Neuropathy***	14.03 (10.94, 18.01)	<0.0001	13.58 (10.57, 17.44)	<0.0001	129.52 (11.58, >999.99)	<0.0001
Cardiomyopathy***	16.84 (13.16, 21.55)	<0.0001	16.60 (12.96, 21.26)	<0.0001	42.85 (2.96, 620.74)	0.0059
Gastritis***	25.50 (15.93, 40.81)	<0.0001	25.41 (15.71, 41.09)	<0.0001	20.87 (2.28, 191.41)	0.0072
Fatty liver disease***	4.83 (4.27, 5.48)	<0.0001	4.79 (4.22, 5.44)	<0.0001	6.41 (3.36, 12.21)	<0.0001
Hepatitis***	13.63 (10.54, 17.62)	<0.0001	14.34 (10.99, 18.70)	<0.0001	4.45 (1.64, 12.07)	0.0033
Liver damage***	7.83 (6.23, 9.85)	<0.0001	7.52 (5.95, 9.50)	<0.0001	18.36 (5.84, 57.74)	<0.0001
<i>Other Clinical ICD-9/10 Diagnoses</i>						
Drug abuse/dependence	12.40 (12.12, 12.68)	<0.0001	12.27 (11.99, 12.57)	<0.0001	12.79 (11.84, 13.81)	<0.0001
Mental disorder	3.05 (2.99, 3.11)	<0.0001	3.00 (2.94, 3.06)	<0.0001	4.66 (4.13, 5.26)	<0.0001
C-statistic	0.91		0.91		0.91	

aOR=adjusted odds ratio; 95% CI=95% confidence interval; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; AUD=alcohol use disorder. *Number of observations with missing age: Black men (n=3); Hispanic men (n=7); White men (n=25); Black women (n=0); Hispanic women (n=1); White women (n=3). **Odds ratios displayed at mean highest AUDIT-C score (mean=4, 4, 3 for overall, men, and women, respectively). ***Alcohol-specific diagnosis. ^a*P*-value for overall interaction.

Table S6. Sensitivity analysis of restricted AUD diagnosis date, overall and stratified by sex.

<i>Variables</i>	Overall (n=637,969)*		Men (n=578,955)*		Women (n=59,014)*	
	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>	aOR (95% CI)	<i>P</i>
Race and ethnicity x highest AUDIT-C score**		<0.0001 ^a		<0.0001 ^a		<0.0001 ^a
Black (ref=White)	1.75 (1.63, 1.87)	<0.0001	1.85 (1.72, 1.99)	<0.0001	1.18 (0.95, 1.46)	0.1285
Hispanic (ref=White)	1.33 (1.19, 1.48)	<0.0001	1.34 (1.19, 1.51)	<0.0001	1.14 (0.81, 1.61)	0.4554
Women (ref=men)	0.75 (0.72, 0.78)	<0.0001	-	-	-	-
Age (10-yr increments)	0.94 (0.93, 0.95)	<0.0001	0.94 (0.93, 0.95)	<0.0001	0.94 (0.91, 0.97)	<0.0001
<i>Alcohol-Related Characteristics</i>						
Cirrhosis***	17.13 (15.76, 18.61)	<0.0001	16.94 (15.58, 18.41)	<0.0001	18.05 (10.05, 32.40)	<0.0001
Neuropathy**	11.43 (8.89, 14.70)	<0.0001	10.96 (8.52, 14.11)	<0.0001	211.66 (17.68, >999.99)	<0.0001
Cardiomyopathy***	13.59 (10.61, 17.41)	<0.0001	13.35 (10.41, 17.12)	<0.0001	34.40 (4.28, 276.56)	0.0009
Gastritis***	16.01 (9.82, 26.13)	<0.0001	16.04 (9.69, 26.54)	<0.0001	17.19 (2.13, 138.54)	0.0076
Fatty liver disease***	4.00 (3.50, 4.57)	<0.0001	3.97 (3.47, 4.55)	<0.0001	4.83 (2.44, 9.57)	<0.0001
Hepatitis***	10.05 (7.78, 12.97)	<0.0001	10.54 (8.10, 13.72)	<0.0001	4.07 (1.46, 11.36)	0.0074
Liver damage***	4.69 (3.70, 5.94)	<0.0001	4.37 (3.44, 5.57)	<0.0001	20.39 (6.12, 67.91)	<0.0001
<i>Other Clinical ICD-9/10 Diagnoses</i>						
Drug abuse/dependence	8.37 (8.17, 8.58)	<0.0001	8.22 (8.02, 8.44)	<0.0001	9.58 (8.82, 10.41)	<0.0001
Mental disorder	2.89 (2.83, 2.95)	<0.0001	2.84 (2.78, 2.91)	<0.0001	4.21 (3.70, 4.78)	<0.0001
C-statistic	0.90		0.90		0.91	

aOR=adjusted odds ratio; 95% CI=95% confidence interval; AUDIT-C=Alcohol Use Disorders Identification Test – Consumption; AUD=alcohol use disorder. *Number of observations with missing age: Black men (n=5); Hispanic men (n=8); White men (n=42); Black women (n=1); Hispanic women (n=1); White women (n=3). **Odds ratios displayed at mean highest AUDIT-C score (mean=3, 3, 2 for overall, men, and women, respectively). ***Alcohol-specific diagnosis. ^a*P*-value for overall interaction.