

ICD-9 Codes of mental health diagnosis inclusion criteria¹

Diagnosis Category	ICD-9 Codes
Alcohol and Drug Psychosis	291.0-291.9 292.0-292.9
Schizophrenic psychoses	295.00-295.95
Affective psychoses	296.00-296.06 296.10-296.16 296.20-296.36 296.40-296.99
Paranoid state psychoses	297.0-297.9
Other nonorganic psychoses	298.0-298.9
Neurotic Disorders	300.00-300.9
Personality Disorders	301.0-301.9
Alcohol dependence	303.0 -303.93
Drug dependence	304.00-304.99
Nondependent abuse of drugs	305.00-305.93
Special symptoms or syndromes	307.1-307.59
Adult reaction to stress	308.0-308.9
Adjustment reaction, including PTSD	309.0-309.9
Depressive disorder	311
Mental disorders diagnosed in childhood	312.00-312.9 314.00-314.9

¹ After October 1, 2015, mapped ICD-10 codes were used.

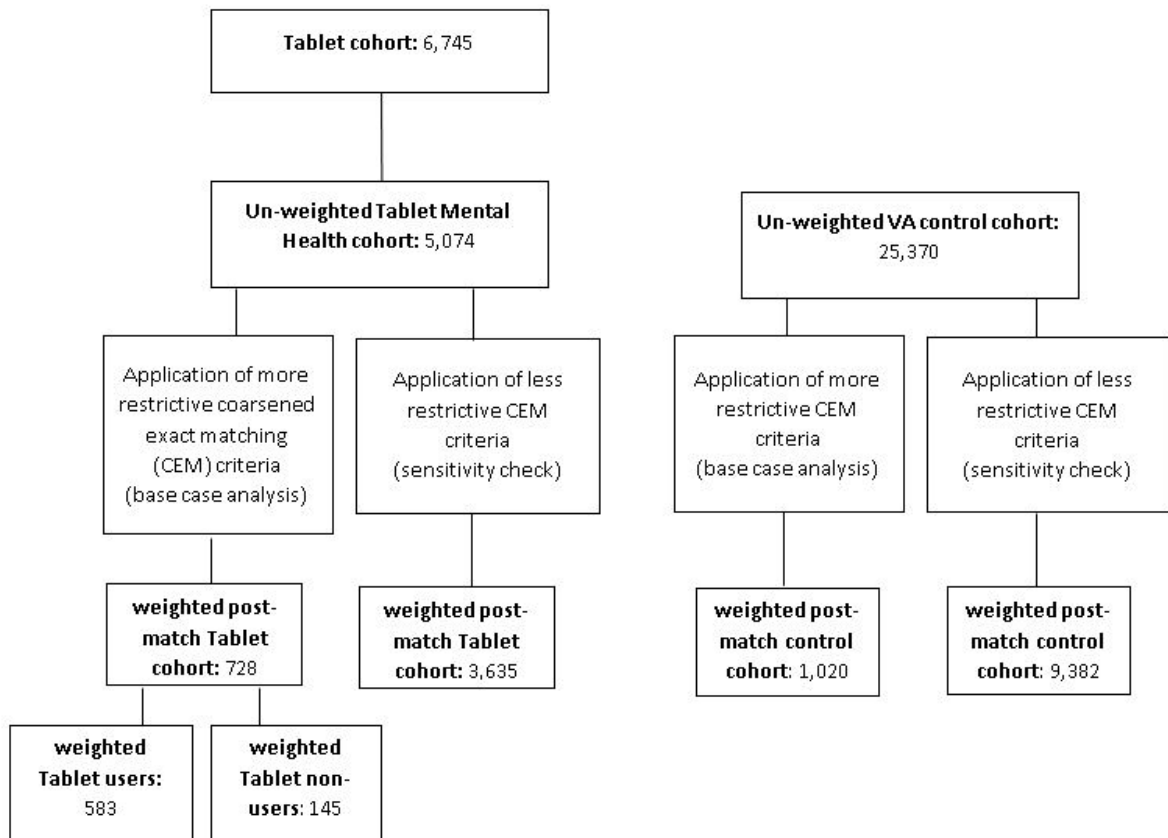
CPT Code inclusion list to define a psychotherapy visit

CPT Code	CPT Description
90791	PSYCHIATRIC DIAGNOSTIC EVALUATION
90832	PSYCHOTHERAPY, 30 MINUTES WITH PATIENT
90834	PSYCHOTHERAPY, 45 MINUTES WITH PATIENT
90837	PSYCHOTHERAPY, 60 MINUTES WITH PATIENT
90839	PSYCHOTHERAPY FOR CRISIS; IRST 60 MINUTES
90847	FAMILY PSYCHOTHERAPY (CONJOINT PSYCHOTHERAPY) (WITH PATIENT PRESENT), 50 MINUTES
90849	MULTIPLE-FAMILY GROUP PSYCHOTHERAPY
90853	GROUP PSYCHOTHERAPY (OTHER THAN OF A MULTIPLE-FAMILY GROUP)
99078	PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL QUALIFIED BY EDUCATION, TRAINING, LICENSURE/REGULATION (WHEN APPLICABLE) EDUCATIONAL SERVICES RENDERED TO PATIENTS IN A GROUP SETTING (EG, PRENATAL, OBESITY, OR DIABETIC INSTRUCTIONS) OBESITY, OR DIABETIC INSTRUCTIONS)
99509	HOME VISIT FOR ASSISTANCE WITH ACTIVITIES OF DAILY LIVING AND PERSONAL CARE
99510	HOME VISIT FOR INDIVIDUAL, FAMILY, OR MARRIAGE COUNSELING
H0004	BEHAVIORAL HEALTH COUNSELING AND THERAPY, PER 15 MINUTES
H0005	ALCOHOL AND/OR DRUG SERVICES; GROUP COUNSELING BY A CLINICIAN
H0015	ALCOHOL AND/OR DRUG SERVICES; INTENSIVE OUTPATIENT (TREATMENT PROGRAM THAT OPERATES AT LEAST 3 HOURS/DAY AND AT LEAST 3 DAYS/WEEK AND IS BASED ON AN INDIVIDUALIZED TREATMENT PLAN), INCLUDING ASSESSMENT, COUNSELING; CRISIS INTERVENTION, AND ACTIVITY THERAPIES OR EDUCATION
H0015	ALCOHOL AND/OR DRUG SERVICES; INTENSIVE OUTPATIENT (TREATMENT PROGRAM THAT OPERATES AT LEAST 3 HOURS/DAY AND AT LEAST 3 DAYS/WEEK AND IS BASED ON AN INDIVIDUALIZED TREATMENT PLAN), INCLUDING ASSESSMENT, COUNSELING; CRISIS INTERVENTION, AND ACTIVITY THERAPIES OR EDUCATION
H0031	MENTAL HEALTH ASSESSMENT, BY NON-PHYSICIAN
H0036	COMMUNITY PSYCHIATRIC SUPPORTIVE TREATMENT, FACE-TO-FACE, PER 15 MINUTES
H2011	CRISIS INTERVENTION SERVICE, PER 15 MINUTES
H2017	PSYCHOSOCIAL REHABILITATION SERVICES, PER 15 MINUTES
H2027	PSYCHOEDUCATIONAL SERVICE, PER 15 MINUTES
S9445	PATIENT EDUCATION, NOT OTHERWISE CLASSIFIED, NON-PHYSICIAN PROVIDER, INDIVIDUAL, PER SESSION
S9446	PATIENT EDUCATION, NOT OTHERWISE CLASSIFIED, NON-PHYSICIAN PROVIDER, GROUP, PER SESSION

Definition of medication management encounter

Veterans with MH or SUD diagnoses who had at least one E& M-coded visit (CPT codes: 90792, 90863, 99202, 99203, 99204, 99205, 99213, 99214, 99215, 99342, 99343, 99344, 99345, 99348, 99349, 99350, 99442, 99443, 99605, 99606, 99607) with a psychiatrist or at least one E& M-coded visit with another qualifying prescriber in a MH clinic. E& M visits include office visits, home visits and telephone visits. Other prescribers include personclass codes corresponding with non-psychiatrist MDs (Other MH MD), Clinical Pharmacists (Pharmacist), Physician Assistants (MH PA), Clinical Nurse Specialists (MH CNS) or Nurse Practitioners (MH NP) on the Person Code Report. E& M visits with non-psychiatrist prescribers count only if coupled with the following clinic stops: 156, 157, 292, 500 to 503, 505, 506, 509, 510, 512 to 521, 523 to 527, 531 to 542, 545 to 548, 550 to 568, 571 to 584, 586 to 589, 593 to 599, 713.

Sample Sizes flow diagram for all analyses



Descriptive overview of tablet users vs. non-users (weighted)

	Tablet used Mean/%	Tablet not used Mean/%	p
Age (M ± SD)	58.34 ± 14.17	61.07 ± 14.78	<.001
Sex (male=1) (%)	95.27%	93.28%	<.001
Race (%)			
Hispanic	5.30%	5.04%	0.71
Non-Hispanic White	79.73%	76.47%	0.002
Non-Hispanic Black	11.55%	15.97%	<.001
Other	3.41%	2.52%	.030
LTE coverage (%)	98.85%	99.26%	<.001
Rurality (%)			
Urban	57.95%	63.87%	.020
Rural	39.96%	34.45%	.065
Highly rural	2.08%	1.68%	.002
Drive distance to primary care (>40 miles) (%)	5.11%	6.72%	.269
Drive distance to primary care (M ± SD)	16.39 ± 14.50	15.07 ± 14.08	.138
Chronic conditions (%)†			
Zero	3.79%	3.36%	.479
1 to 2	18.94%	19.33%	.348
3 or more	77.27%	77.31%	.294
No. of baseline psychotherapy visits (M ± SD)	2.11 ± 8.00	1.95 ± 6.75	.010
No. 3 month baseline psychotherapy visits (M ± SD)	.38 ± .89	.42 ± 1.19	.632
Baseline MH diagnoses (%)			
PTSD	9.09%	12.61%	<.001
SUD	46.40%	31.93%	.095
Depression	10.61%	13.45%	.158
SMI	54.73%	52.10%	<.001
New mental health diagnosis (%)	14.20%	11.76%	.864
2 or more mental health diagnoses (%)	35.61%	23.53%	<.001
No. Baseline MH encounters (M ± SD)	8.91 ± 14.45	8.02 ± 14.35	<.001
SuicideRiskFlag (%)	1.89%	1.68%	<.001
n	583	145	

† From list of 34 chronic conditions

LTE = Long Term Evolution, MH = Mental Health, SMI = Serious Mental Illness, PTSD = Post Traumatic Stress Disorder, SUD = Substance Use Disorder, Suicide risk flag = VHA-based algorithm identifying patients at high-risk for suicide

Baseline and follow-up outcomes for tablet users, non-users, and control cohort (weighted)

	Baseline			Follow up		
	Tablet used	Tablet not used	Control	Tablet used	Tablet not used	Control
No. Psychotherapy visits (M ± SD)	0.71 ± 1.68	1.14 ± 5.31	.62 ± 3.14	2.82 ± 6.99	0.79 ± 2.03	.30 ± 1.27
No. Medication management visits (M ± SD)	1.72 ± 2.19	1.12 ± 1.36	1.21 ± 2.15	1.93 ± 2.52	1.24 ± 3.43	.36 ± 1.36
SAIL Measure met (Yes=1) (%)	3.43%	2.07%	3.64%	24.19%	6.21%	2.55%
Missed opportunity rate (M ± SD %)	29.00% ± 30.10	25.85% ± 30.44	30.13% ± 33.35	27.30% ± 28.04	30.7% ± 34.10	50.01% ± 45.34
Any ED visit (Yes=1) (%)	12.01%	10.34%	8.09%	16.98%	17.93%	11.51%
No. of ED visits (M ± SD)	.31 ± 1.30	.22 ± .93	.21 ± 1.18	.41 ± 1.37	.42 ± 1.18	.27 ± 1.36
n	583	145	1,020	583	145	1,020