

Online Supplement

List of the Diagnostic Codes used to identify individuals with first episode psychosis.

Diagnosis Code	Diagnosis Description	ICD Version
2950	SIMPLE TYPE SCHIZOPHRENIA	9
29500	SIMPLE SCHIZOPHRENIA UNSPEC	9
29501	SIMPLE SCHIZOPHRENIA SUBCHR	9
29502	SIMPLE SCHIZOPHRENIA CHRON	9
29503	SIMP SCHIZOPHR SUBCHR/EXACER	9
29504	SIMP SCHIZOPHREN CHR/EXACERB	9
29505	SIMP SCHIZOPHRENIA REMISSION	9
2951	DISORGANIZED SCHIZOPHRENIA	9
29510	HEBEPHRENIA UNSPEC	9
29511	HEBEPHRENIA SUBCHRONIC	9
29512	HEBEPHRENIA CHRONIC	9
29513	HEBEPHRENIA SUBCHR/EXACERB	9
29514	HEBEPHRENIA CHR/EXACERB	9
29515	HEBEPHRENIA REMISSION	9
2953	PARANOID TYPE SCHIZOPHRENIA	9
29530	PARANOID SCHIZOPHREN UNSPEC	9
29531	PARANOID SCHIZOPHREN SUBCHR	9
29532	PARANOID SCHIZOPHREN CHRONIC	9
29533	PARA SCHIZOPHREN SUBCHR/EXAC	9
29534	PARAN SCHIZOPHREN CHR/EXAC	9
29535	PARANOID SCHIZOPHREN REMISS	9
2954	SCHIZOPHRENIFORM DISORDER	9
29540	SCHIZOPHRENIFORM UNSPEC	9
29541	SCHIZOPHRENIFORM SUBCHR	9
29542	SCHIZOPHRENIFORM CHR	9
29543	SCHIZOPHRENIFM SUBCHR/EXAC	9
29544	SCHIZOPHRENIFORM CHR/EXAC	9
29545	SCHIZOPHRENIFORM REMISS	9
2956	SCHIZOPHRENIC DIS RESIDUAL	9
29560	SCHIZOPHR RESIDUAL UNS	9
29561	SCHIZOPHR RESID SUBCHRONIC	9
29562	SCHIZOPHR RESID CHRONIC	9
29563	SCHIZOPHR RESID SUBCHR EXAC	9
29564	SCHIZOPHR RESID CHRON EXAC	9
29565	SCHIZOPHR RESID IN REMISSION	9
2957	SCHIZOAFFECTIVE DISORDER	9
29570	SCHIZOAFFECTIVE UNSPEC	9
29571	SCHIZOAFFECTIVE SUBCHR	9

29572	SCHIZOAFFECTIVE CHRONIC	9
29573	SCHIZOAFFECTIVE SUBCHR/EXAC	9
29574	SCHIZOAFFECT CHR/EXACER	9
29575	SCHIZOAFFECT REMISSION	9
2959	UNSPECIFIED SCHIZOPHRENIA	9
29590	SCHIZOPHRENIA UNSPEC	9
29591	SCHIZOPHRENIA UNSP SUBCHR	9
29592	SCHIZOPHRENIA UNSP CHR	9
29593	SCHIZOPHREN UNSP SUBCHR/EXAC	9
29594	SCHIZOPHRENIA UNS CHR/EXAC	9
29595	SCHIZOPHRENIA UNSP REMISS	9
F200	Paranoid schizophrenia	10
F201	Disorganized schizophrenia	10
F203	Undifferentiated schizophrenia	10
F205	Residual schizophrenia	10
F2081	Schizophreniform disorder	10
F209	Schizophrenia, unspecified	10
F250	Schizoaffective disorder, bipolar type	10
F251	Schizoaffective disorder, depressive type	10
F258	Other schizoaffective disorders	10
F259	Schizoaffective disorder, unspecified	10

List of the procedure codes for each quality indicator

Quality Indicator	Category Description	Procedure Code	Procedure Code Description
1,8	Antipsychotic Service Claim	C9470	ARIPIRAZOLE LAUROXIL IM
1,8	Antipsychotic Service Claim	J0401	INJ ARIPIRAZOLE EXT REL 1MG
1,8	Antipsychotic Service Claim	J1631	Haloperidol Decanoate Inj
1,8	Antipsychotic Service Claim	J2358	OLANZAPINE LONG-ACTING INJ
1,8	Antipsychotic Service Claim	J2426	PALIPERIDONE PALMITATE INJ
1,8	Antipsychotic Service Claim	J2680	Fluphenazine Decanoate 25 Mg
1,8	Antipsychotic Service Claim	J2794	Risperidone, Long Acting
2	Medication Review	99205	OFFICE/OUTPATIENT VISIT, NEW
2	Medication Review	99211	OFFICE/OUTPATIENT VISIT, EST
2	Medication Review	99212	OFFICE/OUTPATIENT VISIT, EST
2	Medication Review	99213	OFFICE/OUTPATIENT VISIT, EST

2	Medication Review	99214	OFFICE/OUTPATIENT VISIT, EST
2	Medication Review	99215	OFFICE/OUTPATIENT VISIT, EST
2	Medication Review	99217	OBSERVATION CARE DISCHARGE
2	Medication Review	99218	OBSERVATION CARE
2	Medication Review	99219	OBSERVATION CARE
2	Medication Review	99220	OBSERVATION CARE
2	Medication Review	99221	INITIAL HOSPITAL CARE
2	Medication Review	99222	INITIAL HOSPITAL CARE
2	Medication Review	99223	INITIAL HOSPITAL CARE
2	Medication Review	99224	SBSQ OBSERVATION CARE/DAY 15 MINUTES
2	Medication Review	99225	SBSQ OBSERVATION CARE/DAY 25 MINUTES
2	Medication Review	99226	SBSQ OBSERVATION CARE/DAY 35 MINUTES
2	Medication Review	99231	SUBSEQUENT HOSPITAL CARE
2	Medication Review	99232	SUBSEQUENT HOSPITAL CARE
2	Medication Review	99233	SUBSEQUENT HOSPITAL CARE
2	Medication Review	99234	OBSERV/HOSP SAME DATE
2	Medication Review	99235	OBSERV/HOSP SAME DATE
2	Medication Review	99236	OBSERV/HOSP SAME DATE
2	Medication Review	99238	HOSPITAL DISCHARGE DAY
2	Medication Review	99239	HOSPITAL DISCHARGE DAY
2	Medication Review	99241	OFFICE CONSULTATION
2	Medication Review	99242	OFFICE CONSULTATION
2	Medication Review	99243	OFFICE CONSULTATION
2	Medication Review	99244	OFFICE CONSULTATION
2	Medication Review	99245	OFFICE CONSULTATION
2	Medication Review	99251	INPATIENT CONSULTATION
2	Medication Review	99252	INPATIENT CONSULTATION
2	Medication Review	99253	INPATIENT CONSULTATION
2	Medication Review	99254	INPATIENT CONSULTATION
2	Medication Review	99255	INPATIENT CONSULTATION
2	Medication Review	99304	NURSING FACILITY CARE, INIT
2	Medication Review	99305	NURSING FACILITY CARE, INIT
2	Medication Review	99306	NURSING FACILITY CARE, INIT
2	Medication Review	99307	NURSING FAC CARE, SUBSEQ
2	Medication Review	99308	NURSING FAC CARE, SUBSEQ
2	Medication Review	99309	NURSING FAC CARE, SUBSEQ
2	Medication Review	99310	NURSING FAC CARE, SUBSEQ
2	Medication Review	99315	NURSING FAC DISCHARGE DAY
2	Medication Review	99316	NURSING FAC DISCHARGE DAY

2	Medication Review	99318	ANNUAL NURSING FAC ASSESSMNT
2	Medication Review	99324	DOMICIL/R-HOME VISIT NEW PAT
2	Medication Review	99325	DOMICIL/R-HOME VISIT NEW PAT
2	Medication Review	99326	DOMICIL/R-HOME VISIT NEW PAT
2	Medication Review	99327	DOMICIL/R-HOME VISIT NEW PAT
2	Medication Review	99328	DOMICIL/R-HOME VISIT NEW PAT
2	Medication Review	99334	DOMICIL/R-HOME VISIT EST PAT
2	Medication Review	99335	DOMICIL/R-HOME VISIT EST PAT
2	Medication Review	99336	DOMICIL/R-HOME VISIT EST PAT
2	Medication Review	99337	DOMICIL/R-HOME VISIT EST PAT
2	Medication Review	99339	DOMICIL/R-HOME CARE SUPERVIS
2	Medication Review	99340	DOMICIL/R-HOME CARE SUPERVIS
2	Medication Review	99341	HOME VISIT, NEW PATIENT
2	Medication Review	99342	HOME VISIT, NEW PATIENT
2	Medication Review	99343	HOME VISIT, NEW PATIENT
2	Medication Review	99344	HOME VISIT, NEW PATIENT
2	Medication Review	99345	HOME VISIT, NEW PATIENT
2	Medication Review	99347	HOME VISIT, EST PATIENT
2	Medication Review	99348	HOME VISIT, EST PATIENT
2	Medication Review	99349	HOME VISIT, EST PATIENT
2	Medication Review	99350	HOME VISIT, EST PATIENT
2	Medication Review	99354	PROLONGED SERVICE, OFFICE
2	Medication Review	99355	PROLONGED SERVICE, OFFICE
2	Medication Review	99356	PROLONGED SERVICE, INPATIENT
2	Medication Review	99357	PROLONGED SERVICE, INPATIENT
2	Medication Review	99358	PROLONGED SERV, W/O CONTACT
2	Medication Review	99359	PROLONGED SERV, W/O CONTACT
2	Medication Review	99360	PHYSICIAN STANDBY SERVICES
2	Medication Review	99363	ANTICOAG MGMT, INIT

2	Medication Review	99364	ANTICOAG MGMT, SUBSEQ
2	Medication Review	99366	TEAM CONF W/PAT BY HC PRO
2	Medication Review	99367	TEAM CONF W/O PAT BY PHYS
2	Medication Review	99368	TEAM CONF W/O PAT BY HC PRO
2	Medication Review	99605	MTMS BY PHARM, NP, 15 MIN
2	Medication Review	99606	MTMS BY PHARM, EST, 15 MIN
2	Medication Review	99607	MTMS BY PHARM, ADDL 15 MIN
2	Medication Review	H2010	Comprehensive Med Svc 15 Min
3	Psychotherapy	90785	Interactive complexity
3	Psychotherapy	90791	Psychiatric diagnostic evaluation (no medical services)
3	Psychotherapy	90792	Psychiatric diagnostic evaluation (with medical services)
3	Psychotherapy	90832	Psychotherapy, 30 minutes
3	Psychotherapy	90833	30 minutes psychotherapy
3	Psychotherapy	90834	Psychotherapy, 45 minutes
3	Psychotherapy	90836	45 minutes psychotherapy
3	Psychotherapy	90837	Psychotherapy, 60 minutes
3	Psychotherapy	90838	60 minutes psychotherapy
3	Psychotherapy	90839	Psychotherapy for crisis, first 60 minutes
3	Psychotherapy	90840	Crisis Code, each additional 30 minutes
3	Psychotherapy	90846	FAMILY PSYTX W/O PATIENT
3	Psychotherapy	90847	FAMILY PSYTX W/PATIENT
3	Psychotherapy	90849	MULTIPLE FAMILY GROUP PSYTX
3	Psychotherapy	90853	GROUP PSYCHOTHERAPY
3	Psychotherapy	99354	PROLONGED SERVICE, OFFICE
3	Psychotherapy	99355	PROLONGED SERVICE, OFFICE
8	Cholesterol Test	3048F	LDL-C <100 Mg/dl
8	Cholesterol Test	3049F	LDL-C 100-129 Mg/dl
8	Cholesterol Test	3050F	LDL-C = 130 Mg/dl
8	Cholesterol Test	80061	LIPID PANEL
8	Cholesterol Test	82465	ASSAY, BLD/SERUM CHOLESTEROL
8	Cholesterol Test	83700	LIOPRO BLD, ELECTROPHORETIC
8	Cholesterol Test	83701	LIOPROTEIN BLD, HR FRACTION
8	Cholesterol Test	83704	LIOPROTEIN, BLD, BY NMR
8	Cholesterol Test	83718	ASSAY OF LIOPROTEIN
8	Cholesterol Test	83721	ASSAY OF BLOOD

			LIPOPROTEIN
8	Cholesterol Test	84478	ASSAY OF TRIGLYCERIDES
8	Glucose Test	3044F	Hg A1c Level Lt 7.0%
8	Glucose Test	3045F	Hg A1c Level 7.0–9.0%
8	Glucose Test	3046F	Hemoglobin A1c Level > 9.0%
8	Glucose Test	80047	METABOLIC PANEL IONIZED CA
8	Glucose Test	80048	METABOLIC PANEL TOTAL CA
8	Glucose Test	80050	GENERAL HEALTH PANEL
8	Glucose Test	80053	COMPREHEN METABOLIC PANEL
8	Glucose Test	80069	RENAL FUNCTION PANEL
8	Glucose Test	82947	ASSAY, GLUCOSE, BLOOD QUANT
8	Glucose Test	82950	GLUCOSE TEST
8	Glucose Test	82951	GLUCOSE TOLERANCE TEST (GTT)
8	Glucose Test	83036	GLYCOSYLATED HEMOGLOBIN TEST
8	Glucose Test	83037	GLYCOSYLATED HB, HOME DEVICE
8	HbA1C Test	3046F	Hemoglobin A1c Level > 9.0%
8	HbA1C Test	83036	GLYCOSYLATED HEMOGLOBIN TEST
8	HbA1C Test	83037	GLYCOSYLATED HB, HOME DEVICE
8	Metabolic Screening	H2010	Comprehensive Med Svc 15 Min
8	Metabolic Screening	H2010	Comprehensive Med Svc 15 Min
10	Integrated Care Delivery	90804	PSYTX, OFFICE, 20-30 MIN
10	Integrated Care Delivery	90806	PSYTX, OFF, 45-50 MIN
10	Integrated Care Delivery	90846	FAMILY PSYTX W/O PATIENT
10	Integrated Care Delivery	90847	FAMILY PSYTX W/PATIENT
10	Integrated Care Delivery	90849	MULTIPLE FAMILY GROUP PSYTX
10	Integrated Care Delivery	90853	GROUP PSYCHOTHERAPY
10	Integrated Care Delivery	90862	MEDICATION MANAGEMENT
10	Integrated Care Delivery	99214	OFFICE/OUTPATIENT VISIT, EST
11	Substance Abuse Monitoring	80320	DRUG SCREEN QUANTITATIVE ALCOHOLS

11	Substance Abuse Monitoring	80321	DRUG SCREEN QUANT ALCOHOLS BIOMARKERS 1 OR 2
11	Substance Abuse Monitoring	80322	DRUG SCREEN QUANT ALCOHOLS BIOMARKERS 3 OR MORE
11	Substance Abuse Monitoring	80324	DRUG SCREEN QUANT AMPHETAMINES 1 OR 2
11	Substance Abuse Monitoring	80325	DRUG SCREEN QUANT AMPHETAMINES 3 OR 4
11	Substance Abuse Monitoring	80326	DRUG SCREEN QUANT AMPHETAMINES 5 OR MORE
11	Substance Abuse Monitoring	80375	DRUG/SUBSTANCE DEFINITIVE QUAL/QUANT NOS 1-3
11	Substance Abuse Monitoring	80376	DRUG/SUBSTANCE DEFINITIVE QUAL/QUANT NOS 4-6
11	Substance Abuse Monitoring	80377	DRUG/SUBSTANCE DEFINITIVE QUAL/QUANT NOS 7/MORE
11	Substance Abuse Monitoring	99408	AUDIT/DAST, 15-30 MIN
11	Substance Abuse Monitoring	99409	AUDIT/DAST, OVER 30 MIN
11	Substance Abuse Monitoring	G0396	Alcohol/Subs Interv 15-30mn
11	Substance Abuse Monitoring	G0397	Alcohol/Subs Interv >30 Min
11	Substance Abuse Monitoring	G0442	ANNUAL ALCOHOL SCREEN 15 MIN
11	Substance Abuse Monitoring	G0443	BRIEF ALCOHOL MISUSE COUNSEL
11	Substance Abuse Monitoring	H0001	Alcohol And/Or Drug Assess
11	Substance Abuse Monitoring	H0002	Alcohol And/Or Drug Screenin
11	Substance Abuse Monitoring	H0003	Alcohol And/Or Drug Screenin
11	Substance Abuse Monitoring	H0004	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0005	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0006	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0007	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0008	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0009	Alcohol And/Or Drug Services

	Monitoring		
11	Substance Abuse Monitoring	H0010	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0011	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0012	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0013	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0014	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0015	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0016	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0017	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0018	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0019	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0020	Alcohol And/Or Drug Services
11	Substance Abuse Monitoring	H0021	Alcohol And/Or Drug Training
11	Substance Abuse Monitoring	H0022	Alcohol And/Or Drug Interven
11	Substance Abuse Monitoring	H0023	Alcohol And/Or Drug Outreach
11	Substance Abuse Monitoring	H0024	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0025	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0026	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0027	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0028	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0029	Alcohol And/Or Drug Preventi
11	Substance Abuse Monitoring	H0049	Alcohol/Drug Screening
11	Substance Abuse Monitoring	H0050	Alcohol/Drug Service 15 Min
12	Smoking Monitoring	99406	BEHAV CHNG SMOKING 3-10 MIN

12	Smoking Monitoring	99407	BEHAV CHNG SMOKING > 10 MIN
12	Smoking Monitoring	G0436	TOBACCO-USE COUNSEL 3-10 MIN
12	Smoking Monitoring	G0437	TOBACCO-USE COUNSEL>10MIN
13	Family Psychoeducation	H2027	Psychoed Svc, Per 15 Min
14	Vocational Training	0378R	
14	Vocational Training	0380R	
14	Vocational Training	0385R	
14	Vocational Training	0388R	
14	Vocational Training	0389R	
14	Vocational Training	0390R	
14	Vocational Training	0391R	
14	Vocational Training	0392R	
14	Vocational Training	0393R	
14	Vocational Training	0395R	
14	Vocational Training	0800V	
14	Vocational Training	0801V	
14	Vocational Training	0802V	
14	Vocational Training	0803V	
14	Vocational Training	0808V	
14	Vocational Training	0809V	
14	Vocational Training	0810V	
14	Vocational Training	0811V	
14	Vocational Training	0812V	
14	Vocational Training	0813V	
14	Vocational Training	0821V	
14	Vocational Training	0823V	
14	Vocational Training	0824V	
14	Vocational Training	0830V	
14	Vocational Training	0831V	
14	Vocational Training	0840V	
14	Vocational Training	0841V	
14	Vocational Training	0842V	
14	Vocational Training	0843V	
14	Vocational Training	0881V	

List of the anti-psychotic procedure codes and descriptions.

Procedure Code Procedure Code Description

C9470	Aripiprazole Lauroxil IM
J0401	Inj Aripiprazole Ext Rel 1mg
J1631	Haloperidol Decanoate Inj
J2358	Olanzapine Long-Acting Inj
J2426	Paliperidone Palmitate Inj
J2680	Fluphenazine Decanoate 25 Mg
J2794	Risperidone, Long Acting

List of the Reference Dosage Range for each Antipsychotic

List of the Reference Dosage Range for each Antipsychotic						
AgeGroup	Active	Formulation	Patient Count	Average Dosage	SD	Highest Recommended Dose
Adult (Age18-25)	aripiprazole	SA	52	48.24	9.33	30
Child (Age < 18)	aripiprazole	SA	7	45.04	4.24	30
Child (Age < 18)	chlorpromazine		1	1269.77	0	1000
Adult (Age18-25)	chlorpromazine		3	1459.44	240.48	1000
Child (Age < 18)	clozapine		2	961.05	238.96	600
Adult (Age18-25)	clozapine		1	914.29	0	900
Child (Age < 18)	fluphenazine	SA	1	24.43	0	10
Child (Age < 18)	haloperidol	LAI	4	6.69	2.44	0
Adult (Age18-25)	haloperidol	LAI	5	88.18	27.48	18.9
Child (Age < 18)	haloperidol	SA	16	19.7	4.63	10
Adult (Age18-25)	haloperidol	SA	69	33.47	11.16	20
Adult (Age18-25)	haloperidol	SAI	5	31	4.9	20
Adult (Age18-25)	iloperidone		1	32	0	24
Adult (Age18-25)	loxapine		6	163.76	28.33	100
Adult (Age18-25)	lurasidone		17	255.69	34.53	160
Adult (Age18-25)	olanzapine		42	44.53	8.61	30
Child (Age < 18)	olanzapine		15	35.24	15.13	20
Adult (Age18-25)	olanzapine	SYM	1	24.72	0	18
Adult (Age18-25)	paliperidone		11	17.48	2.82	12
Child (Age < 18)	paliperidone		1	18	0	12
Adult (Age18-25)	paliperidone	LAIS	10	34.76	42.03	9.8
Adult (Age18-25)	perphenazine		11	51.49	8.7	32
Adult (Age18-25)	quetiapine		88	1190.17	193.4	800
Child (Age < 18)	quetiapine		16	1155.1	200.76	800
Adult (Age18-25)	risperidone		36	12.47	2.43	8
Child (Age < 18)	risperidone		4	9.79	2.21	6
Adult (Age18-25)	risperidone	LAIM	1	5.32	0	3.675
Adult (Age18-25)	thiothixene		2	40.2	5.04	30

Adult (Age18-25)	trifluoperazine		1	80	0	40
Adult (Age18-25)	ziprasidone	SA	28	288.8	39.36	200
Child (Age < 18)	ziprasidone	SA	8	250.64	38.87	160