

## Effects of the 2013 Psychiatric Current Procedural Terminology Codes Revision on Psychotherapy in Psychiatric Billing

### APPENDICES

#### Appendix 1. Sample Characteristics by Visit

	Percent		
	2012 (n=778,445)	2013 (n= 748,317)	2014 (n= 754,760)
<b>Sex</b>			
Male	42	41	42
Female	58	59	58
<b>Age</b>			
0-17	18	19	18
18-34	28	29	29
35-44	18	18	18
45-54	20	19	19
55-64	16	15	16
<b>Region</b>			
North Central	17	18	18
Northeast	18	17	24
South	47	45	39
West	18	20	18
<b>Primary Diagnosis</b>			
Adjustment disorders	5	4	4
Alcohol-related disorders	1	1	1
Anxiety disorders	17	17	19
Attention-deficit, conduct, and disruptive behavior disorders	14	14	14
Disorders usually diagnosed in infancy, childhood, or adolescence	1	1	1
Delirium, dementia, and amnesic and other cognitive disorders	<1	<1	<1
Developmental disorders	<1	<1	<1
Impulse control disorders, not elsewhere classified (NEC)	<1	<1	<1
Mood disorders	54	53	52
Other category	4	4	3
Personality disorders	<1	<1	<1
Schizophrenia and other psychotic disorders	2	2	2
Substance-related disorders	2	2	2

Note: values were rounded to whole digits

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### Appendix 2. Ten Most Frequent Current Procedure Terminology Codes Used for Psychiatrist Office

Visits, 2012 and 2013

<b>Code</b>	<b>Name</b>	<b>Percent</b>	<b>Cumulative Percent</b>
<b>2012</b>			
90862	Pharmacologic management, including prescriptions, use and review of medication with no more than minimal medical psychotherapy	27	27
90805	Individual psychotherapy with E/M, 20-30 min	20	47
90807	Individual psychotherapy with E/M, 45-50 min	15	62
90806	Individual psychotherapy 45-50 min	14	76
90801	Psychiatric diagnostic interview examination	7	83
99214	Established Patient Office Visit	2	85
90847	Family Psychotherapy	2	87
90853	Group Psychotherapy	1	88
99213	Established Patient Office Visit	1	88
80101	Drug screen, qualitative; multiple drug classes other than chromatographic, each procedure	1	89
<b>2013</b>			
99213	Established Patient Office Visit (low to moderate severity)	26	26
99214	Established Patient Office Visit (moderate severity)	18	43
90833	Psychotherapy Add-On (16-37 min)	12	55
90834	Psychotherapy 45 (38-52 min)	8	63
90836	Psychotherapy Add-On (38-52 min)	7	71
90837	Psychotherapy 60 (53+ min)	4	75
90792	Psychiatric Diagnostic Evaluation with Medical Services	4	79
99212	Established Patient Office Visit (low severity)	4	82
99215	Established Patient Office Visit (high severity)	2	85
90791	Psychiatric diagnostic evaluation	1	86

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Appendix 3. Changes in the probability a visit to a psychiatrist included psychotherapy), 2012–2014

Predictor	Percentage Point Change	Standard Error	P-Value
<b>Primary Predictor</b>			
<b>Year (Base: 2012)</b>			
Year 2013	-9.82	0.17	<0.001
Year 2014	-9.39	0.18	<0.001
<b>Control Variables</b>			
<b>Sex (reference: Male)</b>			
Female	0.05	0.13	0.704
<b>Age (reference: 18 -34 )</b>			
Age <=17 Years	0.87	0.18	<0.001
Age 35 to 44	1.77	0.18	<0.001
Age 45 to 54	1.58	0.18	<0.001
Age 55 to 64	2.97	0.21	<0.001
<b>Diagnosis (Reference: Mood Disorders)</b>			
Adjustment disorders	12.14	0.27	<0.001
Anxiety disorders	2.27	0.14	<0.001
Attention-deficit, conduct, and disruptive behavior disorders	-2.03	0.16	<0.001
Delirium, dementia, and amnesic and other cognitive disorders	-9.3	1.17	<0.001
Developmental disorders	-20.67	1.45	<0.001
Disorders usually diagnosed in infancy, childhood, or adolescence	-0.05	0.46	0.905
Impulse control disorders, NEC	-3.45	0.81	<0.001
Personality disorders	3.26	0.83	<0.001
Schizophrenia and other psychotic disorders	-5.34	0.35	<0.001
Alcohol-related disorders	-3.22	0.51	<0.001
Substance-related disorders	-4.84	0.35	<0.001
Other diagnoses	-22.03	0.27	<0.001
<b>Region (reference: South)</b>			
Northeast	7.93	0.3	<0.001
Northcentral	1.79	0.22	<0.001
West	15.98	0.26	<0.001
<b>Annual Visits by Psychiatrist (reference: &lt;50)</b>			
50 to 100	-2.11	0.2	<0.001
101 to 200	-3.1	0.19	<0.001
201 to 500	-6	0.18	<0.001
501 to 1000	-8.75	0.21	<0.001
1001 to 2000	-13.44	0.29	<0.001
>2000	-4.4	0.37	<0.001

Notes: Results based on a multivariable linear probability model with insurance plan fixed effects. The model R-Square was 0.7556. The model MSE was 0.5419, F Value = 5.87, P-value < 0.0001.