

Psychiatrist Participation in Private Health Insurance Markets: Paucity in the Land of Plenty

Online Supplement

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Table. Characteristics of licensed psychiatrists with a Massachusetts address who participate in the insurance market with at least one (N=1,843) and 300 outpatients (N=151)

	Group Commercial N=1,720		Medicare Advantage N=597		Marketplace Plans N=616		Medicaid Managed Care N=602	
Characteristics of psychiatrists with at least one outpatient (N=1,843)	N	%	N	%	N	%	N	%
Average years since medical school graduation (years)	27.8		29.9		28.0		27.5	
Years since medical school graduation								
0-6 years	65	4.1	18	3.3	19	3.5	17	3.1
7-19 years	362	23.0	79	14.6	126	23.1	137	25.2
20-29 years	447	28.3	168	31.1	150	27.5	147	27.1
30-39 years	395	25.1	152	28.1	145	26.6	140	25.8
40+ years	308	19.5	124	22.9	105	19.3	102	18.8
Any hospital affiliation	911	53.0	343	57.5	346	56.2	354	58.8
Board certification in psychiatry	1,409	81.9	474	79.4	473	76.8	471	78.2
History of malpractice claims	76	4.4	40	6.7	34	5.5	27	4.5
History of disciplinary action	37	2.2	19	3.2	11	1.8	12	2.0
Average number of insured outpatients per provider in 2013	99.4		185.9		152.0		158.4	
	Group Commercial N=151		Medicare Advantage N=117		Marketplace Plans N=91		Medicaid Managed Care N=88	
Characteristics of psychiatrists with 300 or more patients (N=151)	N	%	N	%	N	%	N	%
Average years since medical school graduation (years)	29.6		31.0		30.0		30.1	
Years since medical school graduation								
0-6 years	1	0.71	0	0	0	0	0	0
7-19 years	25	17.9	13	12.0	14	16.9	14	17.5
20-29 years	40	28.6	34	31.5	26	31.3	24	30.0
30-39 years	49	35.0	41	38.0	27	32.5	25	31.3
40+ years	25	17.9	20	18.5	16	19.3	17	21.3
Any hospital affiliation	72	47.7	57	48.7	53	58.2	50	56.8
Board certification in psychiatry	108	71.5	81	69.2	54	59.3	50	56.8
History of malpractice claims	16	10.6	15	12.8	10	11.0	10	11.4
History of disciplinary action	6	4.0	6	5.1	3	3.3	4	4.5
Average number of insured outpatients per provider in 2013	526.0		548.1		550.7		552.8	

outpatients per provider in 2013

Notes: Addresses according to the Board of Registration of Medicine and Center for Medicare and Medicaid Services. Data are presented as column percentages except when specified. Characteristics presented represent totals for which data were available.

Table. Factors associated with having at least claim for an outpatient paid by non-commercial versus group commercial plans by licensed psychiatrists with Massachusetts addresses.

Characteristics (N=1,586)	OR	95% CI		p-value
Years since medical school graduation (vs. 30-39 group)				
0-6	0.55	0.32	0.92	0.024
7-19	0.76	0.56	1.02	0.065
20-29	0.88	0.66	1.16	0.358
30-39	-	-	-	
40+	0.96	0.70	1.31	0.797
Any hospital affiliation	1.62	1.31	1.99	<0.001
Board certification in psychiatry	0.93	0.67	1.29	0.646
Prior malpractice claim	1.31	0.79	2.20	0.296
Prior disciplinary action	1.14	0.56	2.33	0.713
Hospital Referral Region: (vs Boston, Massachusetts)				
Springfield, Massachusetts	1.77	1.12	2.80	0.014
Worcester, Massachusetts	2.10	1.30	3.38	0.002

Notes: OR=odds ratio, CI=confidence interval

Table. Psychiatrists with an active Massachusetts medical license and Massachusetts address who do and do not participate in Traditional Medicare.

Number of Out-patients	Psychiatrists with MA practice addresses (N=2,348)			Psychiatrists who Participate in Medicare (N=867)			Psychiatrists who Do not Participate in Medicare (1,481)		
	N	%	Average Number of Outpatients	N	%	Average Number of Outpatients	N	%	Average Number of Outpatients
0	505	21.5	-	29	3.3	-	476	32.1	-
≥ 1	1,843	78.5	93.3	838	96.7	137.9	1,005	67.9	56.1
≥ 20	1,145	48.8	145.7	661	76.2	172.4	484	32.6	109.2
≥ 50	726	30.9	211.0	491	56.6	220.4	235	15.9	191.3
≥ 100	462	19.7	291.1	340	39.2	286.3	122	8.2	304.7
≥ 300	151	6.4	526.0	111	12.8	511.8	40	2.7	565.4
≥ 500	65	2.8	714.1	45	5.2	705.2	20	1.4	733.9

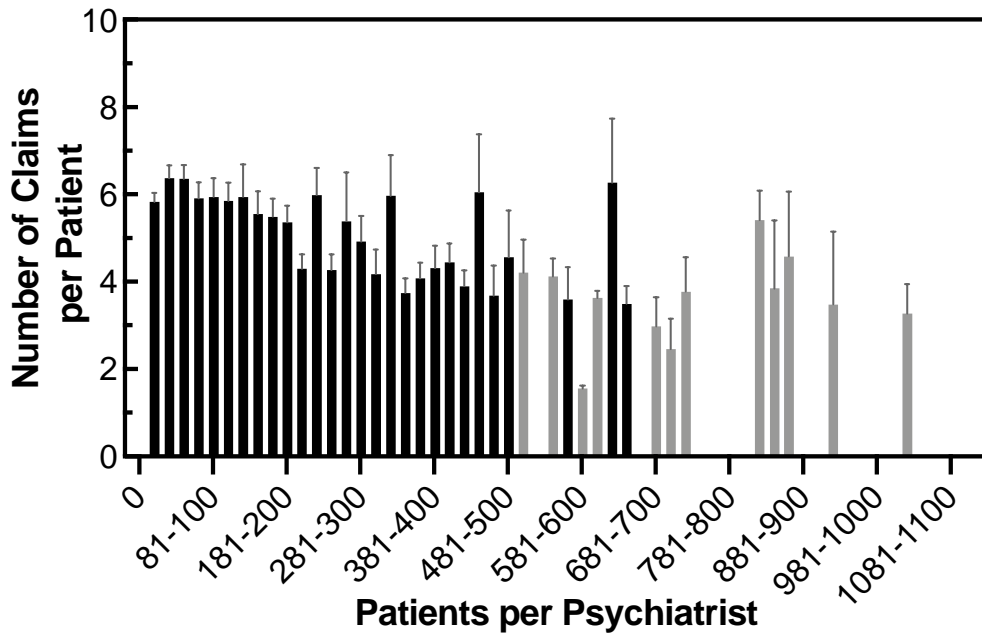
Notes: Data are presented as column percentages except when specified. We define “participate in Traditional Medicare” as having billed for at least one outpatient in the 2013 Medicare Public Use File.

Table. Paid amounts in \$ to psychiatrists licensed in Massachusetts with Massachusetts addresses by insurance type.

Office Visit Type	Group Commercial	Medicare Advantage	Medicaid Managed Care	Marketplace Plans
Mid-Level Office Visit (CPT 99213)				
Mean ± Standard Deviation	63.92 ± 31.91	65.22 ± 16.90	54.11 ± 18.77	31.71 ± 17.51
Median	66	69.88	52.37	27.42
% zero-dollar claims	12.8%	11.7%	72.7%	29.8%
Higher Complexity Office Visit (CPT 99214)				
Mean ± Standard Deviation	97.32 ± 45.56	89.86 ± 18.84	77.67 ± 18.47	48.58 ± 27.88
Median	103.67	96.56	77.46	40.12
% zero-dollar claims	11.6%	10.2%	51.0%	21.4%

Notes: paid amounts (\$) are averaged excluding claims with negative or zero values. Data for Medicaid Managed Care and Marketplace plans are limited as many of these plans may have capitated provider contracts with large numbers of zero-dollar claims. Abbreviation: CPT – current procedural terminology.

Figure. Number of claims per patient per psychiatrist with an active in Massachusetts medical license and a Massachusetts address.



Note: this figure depicts the average number of claims per patient for psychiatrists with each range of outpatients. Bars shown are standard errors. Ratios of one were excluded from the figure. Bars comprised of fewer than five psychiatrists are represented in gray.