

Michigan Behavioral Pharmacy Management Program

Children Under 18
01/01/2006 through 03/31/2006

Total Behavioral and Opiate Pharmacy Claims								
Drug Class	Patients	Prescribers	Claims	Paid	PUPM ¹	% of Total Patients	% of Total Prescribers	
Any Benzodiazepine	2,283	1,165	4,444	\$215,403	\$31.45	3.35%		12.08%
Any Insomnia Agent	2,830	1,074	6,156	\$30,546	\$3.60	4.16%		11.13%
Any Antidepressant	13,972	3,241	34,773	\$1,056,281	\$25.20	20.51%		33.59%
Any Anticonvulsant/Mood Stabilizer	10,665	2,398	31,164	\$2,583,582	\$80.75	15.66%		24.85%
Any Atypical Antipsychotic	12,713	2,256	40,307	\$7,442,283	\$195.14	18.67%		23.38%
Any Typical Antipsychotic	222	149	623	\$9,723	\$14.60	0.33%		1.54%
Any Sympathomimetic/Stimulant	36,436	4,598	100,988	\$4,733,013	\$43.30	53.50%		47.66%
Any Antidyskinetic	468	232	1,215	\$7,817	\$5.57	0.69%		2.40%
Any Substance Abuse	26	19	54	\$3,359	\$43.07	0.04%		0.20%
Any ADHD Non-Stimulant	6,122	2,075	14,952	\$989,179	\$53.86	8.99%		21.51%
Any Opiate	11,730	4,397	14,811	\$87,338	\$2.48	17.22%		45.57%
Any Noradrenergic Agonist	6,211	1,678	14,904	\$78,598	\$4.22	9.12%		17.39%
Total for all Claims	68,107	9,648	264,103	\$17,233,395	\$84.34	100.00%		100.00%

High Risk								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
1.) Use of Benzodiazepines for 60 or More Days (Under 18 Years)	389	275	1,501	\$33,150	\$28.41	4,330	\$361,294	\$309.59
2.) Use of Opiates for 45 or More Days (Under 18 Years)	76	112	311	\$8,654	\$37.96	575	\$16,213	\$71.11
3.) Use of 2 or More Antipsychotics for 45 or More Days (Under 18 Years)	389	236	3,075	\$634,477	\$543.68	6,667	\$852,156	\$730.21
4.) Use of 4 or More Psychotropics for 90 or More Days (13-17 Years)	59	48	1,375	\$163,698	\$924.85	1,455	\$164,598	\$929.93
5.) Use of 3 or More Psychotropics for 90 or More Days (6-12 Years)	114	137	2,071	\$160,070	\$468.04	2,191	\$160,806	\$470.19
6.) Use of 4 or More Psychotropics for 90 or More Days (6-12 Years)	14	26	287	\$27,572	\$656.48	298	\$27,641	\$658.13
7.) Use of 3 or More Psychotropics for 90 or More Days (Under 6 Years)	1	4	21	\$2,446	\$815.46	21	\$2,446	\$815.46
8.) Use of 5 or More Psychotropics During a 90 Day Period (Under 18 Years)	932	652	14,516	\$1,418,976	\$507.50	15,351	\$1,425,713	\$509.91
9.) Use of an Antipsychotic at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,535	601	6,570	\$1,419,400	\$308.23	16,682	\$2,000,027	\$434.32
10.) Use of an Antipsychotic at Higher Than Recommended Dose and a Stimulant or ADHD Non-stimulant for 45 or More Days (Under 18 Years)	603	383	5,028	\$642,116	\$354.96	7,753	\$781,159	\$431.82
11.) Use of 2 or More SSRIs for 60 or More Days (Under 18 Years)	1	1	7	\$373	\$124.21	16	\$1,480	\$493.43
12.) Use of a Methylphenidate at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,339	791	5,713	\$380,821	\$94.80	11,382	\$823,374	\$204.97
13.) Use of an Amphetamine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	563	407	2,345	\$153,802	\$91.06	5,152	\$396,370	\$234.68
14.) Use of ADHD Non-Stimulant at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	16	13	42	\$6,369	\$132.69	252	\$27,654	\$576.13
15.) Use of Clonidine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	247	168	751	\$6,992	\$9.44	2,868	\$222,905	\$300.82
16.) Use of Guanfacine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	24	23	72	\$977	\$13.57	308	\$19,914	\$276.58
17.) Use of Bupropion at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	195	122	642	\$53,742	\$91.87	2,214	\$215,110	\$367.71
18.) Use of a Stimulant or ADHD Non-Stimulant AND Use of a TCA at Higher Than Recommended Dose and for 45 or More Days (Under 18 Years)	44	53	294	\$9,571	\$72.51	455	\$22,867	\$173.24
19.) Use of 2 or More Atypicals and a Stimulant or ADHD Non-Stimulant for 30 or More Days (Under 18 Years)	280	214	2,698	\$413,582	\$492.36	4,628	\$528,875	\$629.61
Unique Occurrences for All Reports	4,905	1,768	34,874	\$3,585,768	\$243.68	50,840	\$4,643,951	\$315.59

Redundancy								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
20.) Use of 3 or More Stimulants for 60 or More Days (Under 18 Years)	0	0	0	\$0	\$0.00	0	\$0	\$0.00
21.) Use of 3 or More Mood Stabilizers for 45 or More Days (Under 18 Years)	28	32	325	\$37,601	\$447.63	447	\$57,176	\$680.67
Unique Occurrences for All Reports	28	32	325	\$37,601	\$447.63	447	\$57,176	\$680.67

Continuity and Coordination of Care								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
22.) Failure to Refill a Newly Prescribed Stimulant or ADHD Non-Stimulant Within 30 days of Prescription Ending (Under 18 Years)	1,179	751	1,179	\$64,218	\$18.16	2,909	\$176,357	\$49.86
23.) Multiple Prescribers of Any Psychotropic Drug for 45 or More Days (Under 18 Years)	726	913	4,650	\$505,250	\$231.98	8,923	\$827,485	\$379.93
Unique Occurrences for All Reports	1,898	1,391	5,825	\$569,320	\$99.99	11,749	\$996,646	\$175.03

Overall								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
Unique Occurrences for All Reports	6,468	2,310	39,120	\$3,967,486	\$204.47	57,778	\$5,160,291	\$265.94

¹PUPM(Per User Per Month): Paid amount divided by Patient count divided by number of months in analysis period.

Michigan Behavioral Pharmacy Management Program
 Children Under 18
 10/01/2006 through 12/31/2006

Total Behavioral and Opiate Pharmacy Claims								
Drug Class	Patients	Prescribers	Claims	Paid	PUPM ¹	% of Total Patients	% of Total Prescribers	
Any Benzodiazepine	2,760	1,276	5,948	\$232,998	\$28.14	3.73%	12.61%	
Any Insomnia Agent	3,122	1,151	7,548	\$36,658	\$3.91	4.22%	11.37%	
Any Antidepressant	14,308	3,343	39,506	\$1,098,682	\$25.60	19.32%	33.03%	
Any Anticonvulsant/Mood Stabilizer	11,465	2,442	39,394	\$3,196,171	\$92.93	15.48%	24.13%	
Any Atypical Antipsychotic	13,251	2,352	44,748	\$8,460,405	\$212.82	17.89%	23.24%	
Any Typical Antipsychotic	247	156	687	\$9,888	\$13.34	0.33%	1.54%	
Any Sympathomimetic/Stimulant	38,717	4,660	123,238	\$5,810,972	\$50.03	52.27%	46.04%	
Any Antidyskinetic	438	228	1,183	\$7,793	\$5.93	0.59%	2.25%	
Any Substance Abuse	28	25	79	\$4,619	\$54.99	0.04%	0.25%	
Any ADHD Non-Stimulant	5,899	2,053	16,431	\$1,093,649	\$61.80	7.96%	20.28%	
Any Opiate	15,378	5,019	19,375	\$111,894	\$2.43	20.76%	49.59%	
Any Noradrenergic Agonist	6,872	1,751	17,587	\$95,935	\$4.65	9.28%	17.30%	
Total for all Claims	74,066	10,122	315,379	\$20,155,461	\$90.71	100.00%	100.00%	

High Risk								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
1.) Use of Benzodiazepines for 60 or More Days (Under 18 Years)	548	324	2,180	\$51,993	\$31.63	6,391	\$490,590	\$298.41
2.) Use of Opiates for 45 or More Days (Under 18 Years)	101	143	418	\$14,622	\$48.26	719	\$24,196	\$79.85
3.) Use of 2 or More Antipsychotics for 45 or More Days (Under 18 Years)	398	236	3,261	\$701,477	\$587.50	7,342	\$942,246	\$789.15
4.) Use of 4 or More Psychotropics for 90 or More Days (13-17 Years)	163	152	3,823	\$431,754	\$882.93	3,999	\$432,972	\$885.42
5.) Use of 3 or More Psychotropics for 90 or More Days (6-12 Years)	402	349	6,820	\$646,549	\$536.11	7,208	\$648,888	\$538.05
6.) Use of 4 or More Psychotropics for 90 or More Days (6-12 Years)	67	85	1,412	\$130,463	\$649.07	1,490	\$131,023	\$651.86
7.) Use of 3 or More Psychotropics for 90 or More Days (Under 6 Years)	11	23	190	\$9,057	\$274.46	215	\$9,170	\$277.89
8.) Use of 5 or More Psychotropics During a 90 Day Period (Under 18 Years)	1,050	786	18,056	\$1,739,727	\$552.29	19,137	\$1,747,186	\$554.66
9.) Use of an Antipsychotic at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,586	581	7,154	\$1,544,239	\$324.56	19,070	\$2,182,066	\$458.61
10.) Use of an Antipsychotic at Higher Than Recommended Dose and a Stimulant or ADHD Non-stimulant for 45 or More Days (Under 18 Years)	748	426	6,551	\$810,194	\$361.05	10,349	\$990,608	\$441.45
11.) Use of 2 or More SSRIs for 60 or More Days (Under 18 Years)	3	3	21	\$446	\$49.52	31	\$1,471	\$163.46
12.) Use of a Methylphenidate at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,046	681	5,332	\$327,923	\$104.50	10,706	\$737,346	\$234.97
13.) Use of an Amphetamine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	374	313	1,966	\$120,797	\$107.66	4,304	\$309,695	\$276.02
14.) Use of ADHD Non-Stimulant at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	17	16	69	\$7,358	\$144.27	236	\$20,516	\$402.27
15.) Use of Clonidine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	342	229	1,096	\$8,552	\$8.34	4,204	\$319,819	\$311.71
16.) Use of Guanfacine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	33	24	111	\$1,504	\$15.19	506	\$40,176	\$405.81
17.) Use of Bupropion at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	159	118	585	\$49,736	\$104.27	1,976	\$179,336	\$375.97
18.) Use of a Stimulant or ADHD Non-Stimulant AND Use of a TCA at Higher Than Recommended Dose and for 45 or More Days (Under 18 Years)	37	49	307	\$12,304	\$110.85	535	\$29,931	\$269.65
19.) Use of 2 or More Atypicals and a Stimulant or ADHD Non-Stimulant for 30 or More Days (Under 18 Years)	307	242	3,150	\$523,509	\$568.41	5,454	\$660,284	\$716.92
Unique Occurrences for All Reports	4,955	1,843	43,140	\$4,274,568	\$287.56	59,819	\$5,324,580	\$358.20

Redundancy								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
20.) Use of 3 or More Stimulants for 60 or More Days (Under 18 Years)	0	0	0	\$0	\$0.00	0	\$0	\$0.00
21.) Use of 3 or More Mood Stabilizers for 45 or More Days (Under 18 Years)	38	38	486	\$61,940	\$543.33	739	\$86,998	\$763.14
Unique Occurrences for All Reports	38	38	486	\$61,940	\$543.33	739	\$86,998	\$763.14

Continuity and Coordination of Care								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
22.) Failure to Refill a Newly Prescribed Stimulant or ADHD Non-Stimulant Within 30 days of Prescription Ending (Under 18 Years)	1,083	723	1,083	\$63,683	\$19.60	2,620	\$152,376	\$46.90
23.) Multiple Prescribers of Any Psychotropic Drug for 45 or More Days (Under 18 Years)	877	1,023	6,129	\$642,304	\$244.13	12,353	\$1,043,099	\$396.46
Unique Occurrences for All Reports	1,958	1,479	7,210	\$705,718	\$120.14	14,958	\$1,193,494	\$203.18

Overall								
Description			Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
	Patients	Prescribers	Claims	Paid	PUPM ¹	Claims	Paid	PUPM ¹
Unique Occurrences for All Reports	6,510	2,365	48,043	\$4,723,596	\$241.86	68,098	\$5,924,924	\$303.38

¹PUPM(Per User Per Month): Paid amount divided by Patient count divided by number of months in analysis period.
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