

Michigan Behavioral Pharmacy Management Program

Children Under 18

04/01/2006 through 06/30/2006

Total Behavioral and Opiate Pharmacy Claims								
Drug Class	Patients	Prescribers	Claims	Paid	PUPM*	% of Total Patients	% of Total Prescribers	
Any Benzodiazepine	2,601	1,279	5,419	\$244,418	\$31.32	3.63%	12.81%	
Any Insomnia Agent	3,000	1,117	7,121	\$34,660	\$3.85	4.18%	11.18%	
Any Antidepressant	14,811	3,405	41,661	\$1,175,442	\$26.45	20.65%	34.09%	
Any Anticonvulsant/Mood Stabilizer	11,395	2,522	38,040	\$2,957,398	\$86.51	15.89%	25.25%	
Any Atypical Antipsychotic	13,100	2,327	44,321	\$7,940,713	\$202.05	18.27%	23.30%	
Any Typical Antipsychotic	237	144	708	\$11,269	\$15.85	0.33%	1.44%	
Any Sympathomimetic/Stimulant	37,652	4,548	119,075	\$5,283,776	\$46.78	52.51%	45.54%	
Any Antidyskinetic	457	224	1,231	\$8,300	\$6.05	0.64%	2.24%	
Any Substance Abuse	25	21	66	\$2,981	\$39.75	0.03%	0.21%	
Any ADHD Non-Stimulant	6,097	2,096	17,005	\$1,063,483	\$58.14	8.50%	20.99%	
Any Opiate	13,616	4,648	16,918	\$99,848	\$2.44	18.99%	46.54%	
Any Noradrenergic Agonist	6,332	1,684	16,535	\$86,725	\$4.57	8.83%	16.86%	
Total for all Claims	71,707	9,987	307,791	\$18,904,786	\$87.88	100.00%	100.00%	
High Risk								
Description	Patients	Prescribers	Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
			Claims	Paid	PUPM*	Claims	Paid	PUPM*
1.) Use of Benzodiazepines for 60 or More Days (Under 18 Years)	502	336	1,962	\$46,885	\$31.13	5,743	\$436,986	\$290.16
2.) Use of Opiates for 45 or More Days (Under 18 Years)	82	113	327	\$10,679	\$43.41	627	\$19,475	\$79.17
3.) Use of 2 or More Antipsychotics for 45 or More Days (Under 18 Years)	393	230	3,225	\$688,903	\$584.31	7,243	\$936,948	\$794.70
4.) Use of 4 or More Psychotropics for 90 or More Days (13-17 Years)	155	127	3,716	\$402,153	\$864.84	3,879	\$404,069	\$868.96
5.) Use of 3 or More Psychotropics for 90 or More Days (6-12 Years)	311	314	5,499	\$515,711	\$552.75	5,765	\$517,652	\$554.83
6.) Use of 4 or More Psychotropics for 90 or More Days (6-12 Years)	48	71	1,049	\$90,425	\$627.95	1,098	\$90,810	\$630.62
7.) Use of 3 or More Psychotropics for 90 or More Days (Under 6 Years)	6	7	89	\$7,837	\$435.38	99	\$7,872	\$437.31
8.) Use of 5 or More Psychotropics During a 90 Day Period (Under 18 Years)	1,083	742	18,486	\$1,712,839	\$527.19	19,569	\$1,722,355	\$530.12
9.) Use of an Antipsychotic at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,490	586	6,532	\$1,371,841	\$306.90	18,248	\$1,989,570	\$445.09
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)	672	416	5,841	\$714,844	\$354.59	9,523	\$887,949	\$440.45
11.) Use of 2 or More SSRIs for 60 or More Days (Under 18 Years)	5	8	40	\$930	\$61.97	84	\$5,562	\$370.82
12.) Use of a Methylphenidate at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	1,084	688	5,348	\$309,242	\$95.09	10,629	\$673,465	\$207.09
13.) Use of an Amphetamine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	353	283	1,833	\$114,104	\$107.75	3,895	\$279,044	\$263.50
14.) Use of ADHD Non-Stimulant at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	18	21	74	\$8,021	\$148.53	278	\$33,361	\$617.80
15.) Use of Clonidine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	267	192	874	\$8,529	\$10.65	3,460	\$264,082	\$329.69
16.) Use of Guanfacine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	24	18	75	\$977	\$13.56	385	\$28,498	\$395.80
17.) Use of Bupropion at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	204	136	726	\$58,948	\$96.32	2,410	\$227,237	\$371.30
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)	34	49	245	\$10,196	\$99.96	407	\$20,514	\$201.12
19.) Use of 2 or More Atypicals and a Stimulant or ADHD Non-Stimulant for 30 or More Days (Under 18 Years)	282	211	2,937	\$457,810	\$541.15	5,114	\$584,509	\$690.91
Unique Occurrences for All Reports	4,778	1,808	41,094	\$3,921,096	\$273.55	57,619	\$4,906,090	\$342.27
Redundancy								
Description	Patients	Prescribers	Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
			Claims	Paid	PUPM*	Claims	Paid	PUPM*
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)	36	39	452	\$52,930	\$490.09	684	\$78,016	\$722.37
Unique Occurrences for All Reports	36	39	452	\$52,930	\$490.09	684	\$78,016	\$722.37
Continuity and Coordination of Care								
Description	Patients	Prescribers	Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
			Claims	Paid	PUPM*	Claims	Paid	PUPM*
22.) Failure to Refill a Newly Prescribed Stimulant or ADHD Non-Stimulant Within 30 days of Prescription Ending (Under 18 Years)	989	653	989	\$56,959	\$19.20	2,612	\$154,634	\$52.12
23.) Multiple Prescribers of Any Psychotropic Drug for 45 or More Days (Under 18 Years)	792	999	5,293	\$546,631	\$230.06	10,807	\$892,600	\$375.67
Unique Occurrences for All Reports	1,776	1,408	6,277	\$603,300	\$113.23	13,338	\$1,039,310	\$195.07
Overall								
Description	Patients	Prescribers	Quality Indicator Claims			All Behavioral/Opiate Rx Claims		
			Claims	Paid	PUPM*	Claims	Paid	PUPM*
Unique Occurrences for All Reports	6,188	2,325	45,490	\$4,320,769	\$232.75	65,067	\$5,443,795	\$293.24

*PUPM(Per User Per Month): Paid amount divided by Patient count divided by number of months in analysis period.
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Michigan Behavioral Pharmacy Management Program 2007 Version

Children Under 18

04/01/2007 through 06/30/2007

Total Behavioral and Opiate Pharmacy Claims								
Drug Class	Patients	Prescribers	Claims	Paid	PUPM ¹	% of Total Patients	% of Total Prescribers	
Any Benzodiazepine	2,349	1,215	5,036	\$53,394	\$7.58	3.56%	13.36%	
Any Insomnia Agent	3,247	1,141	7,789	\$38,743	\$3.98	4.92%	12.55%	
Any Antidepressant	13,701	3,343	38,152	\$983,998	\$23.94	20.77%	36.76%	
Any Anticonvulsant/Mood Stabilizer	11,448	2,558	39,064	\$3,836,336	\$111.70	17.35%	28.13%	
Any Atypical Antipsychotic	13,945	2,484	46,883	\$10,410,103	\$248.84	21.14%	27.31%	
Any Typical Antipsychotic	247	136	620	\$9,766	\$13.18	0.37%	1.50%	
Any Sympathomimetic/Stimulant	39,617	4,811	122,608	\$7,070,606	\$59.49	60.06%	52.90%	
Any Antidyskinetic	452	236	1,210	\$8,124	\$5.99	0.69%	2.59%	
Any Substance Abuse	29	29	59	\$3,981	\$45.76	0.04%	0.32%	
Any ADHD Non-Stimulant	5,814	2,078	16,077	\$1,230,027	\$70.52	8.81%	22.85%	
Any Opiate	5,167	2,876	7,105	\$47,027	\$3.03	7.83%	31.62%	
Any Noradrenergic Agonist	7,428	1,885	20,209	\$103,849	\$4.66	11.26%	20.73%	
Total for all Claims	65,964	9,095	304,490	\$23,784,062	\$120.19	100%	100%	

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)	584	354	2,375	\$25,156	\$14.36	6,628	\$561,168	\$320.30
2.) Use of Opiates for 45 or More Days (Under 18 Years)	78	104	376	\$7,095	\$30.32	611	\$22,263	\$95.14
3.) Use of 2 or More Antipsychotics for 45 or More Days (Under 18 Years)	463	294	3,953	\$985,368	\$709.41	7,999	\$1,231,516	\$886.62
4.) Use of 4 or More Psychotropics for 90 or More Days (13-17 Years)	390	320	7,612	\$990,280	\$846.39	8,315	\$1,032,331	\$882.33
5.) Use of 3 or More Psychotropics for 90 or More Days (6-12 Years)	891	662	12,957	\$1,370,697	\$512.75	14,870	\$1,459,468	\$546.00
6.) Use of 4 or More Psychotropics for 90 or More Days (6-12 Years)	188	208	3,546	\$367,565	\$651.71	3,931	\$378,507	\$671.11
7.) Use of 3 or More Psychotropics for 90 or More Days (Under 6 Years)	15	22	185	\$22,225	\$493.89	209	\$22,532	\$500.71
8.) Use of 5 or More Psychotropics During a 90 Day Period (Under 18 Years)	1,061	766	17,694	\$1,955,461	\$614.35	18,669	\$1,962,029	\$616.41
9.) Use of an Antipsychotic at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	337	215	1,589	\$625,574	\$618.77	4,282	\$843,776	\$834.60
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)	97	109	969	\$238,186	\$818.51	1,676	\$297,797	\$1,023.36
11.) Use of 2 or More SSRIs for 60 or More Days (Under 18 Years)	6	11	31	\$686	\$38.08	75	\$5,281	\$293.36
12.) Use of a Methylphenidate at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	144	136	862	\$78,876	\$182.58	1,617	\$166,184	\$384.69
13.) Use of an Amphetamine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	162	149	1,005	\$78,340	\$161.19	1,922	\$171,822	\$353.54
14.) Use of ADHD Non-Stimulant at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	15	17	62	\$7,330	\$162.90	203	\$23,434	\$520.75
15.) Use of Clonidine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	145	116	560	\$4,322	\$9.94	1,697	\$164,814	\$378.88
16.) Use of Guanfacine at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	19	20	78	\$1,129	\$19.81	247	\$25,000	\$438.60
17.) Use of Bupropion at Higher Than Recommended Dose for 45 or More Days (Under 18 Years)	72	65	377	\$32,862	\$152.14	956	\$102,211	\$473.20
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)	17	29	149	\$6,091	\$119.44	265	\$14,876	\$291.68
19.) Use of 2 or More Atypicals and a Stimulant or ADHD Non-Stimulant for 30 or More Days (Under 18 Years)	320	278	3,823	\$686,940	\$715.56	5,465	\$761,673	\$793.41
Unique Occurrences for All Reports	3,429	1,569	40,127	\$4,589,544	\$446.15	47,690	\$5,150,219	\$500.65

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)	47	51	608	\$93,910	\$666.03	803	\$118,219	\$838.40
Unique Occurrences for All Reports	47	51	608	\$93,910	\$666.03	803	\$118,219	\$838.40

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)	552	394	552	\$33,031	\$19.95	977	\$80,704	\$48.73
23.) Multiple Prescribers of Any Psychotropic Drug for 45 or More Days (Under 18 Years)	1,182	1,044	11,014	\$1,172,295	\$330.60	14,761	\$1,431,480	\$403.69
Unique Occurrences for All Reports	1,729	1,274	11,566	\$1,205,330	\$232.36	15,676	\$1,504,266	\$290.01

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	4,747	2,100	47,388	\$5,312,145	\$373.02	56,610	\$5,950,528	\$417.84