2017-18 Buprenorphine County prescriber counts and mean monthly census and buprenorphine treatment episode duration for Michigan

County	State	Buprenorphine Patient Months- All Prescribers	Buprenorphine Episode- Primary Prescribers	Buprenorphine Episode Primary Prescriber Mean Patient Census	Buprenorphine Episode Mean Days' Supply
Allegan	MI	2,197	<10	100	661
Alpena	MI	7,276	<10	90	298
Baraga	MI	<10	<10	2	629
Barry	MI	101	<10	15	203
Bay	MI	8,277	<10	104	213
Berrien	MI	3,952	13	34	260
Branch	MI	825	<10	40	131
Calhoun	MI	8,322	18	41	451
Cass	MI	305	<10	24	69
Charlevoix	MI	62	<10	5	219
Cheboygan	MI	37	<10	2	785
Clare	MI	3,577	<10	207	180
Clinton	MI	1,582	<10	74	463
Delta	MI	602	<10	29	264
Dickinson	MI	<10	<10	3	13
Eaton	MI	273	<10	12	387
Emmet	MI	4,361	<10	69	683
Genesee	MI	17,821	43	40	440
Grand Traverse	MI	13,312	25	45	368
Gratiot	MI	<10	<10	4	43
Hillsdale	MI	46	<10	14	118
Huron	MI	119	<10	4	679
Ingham	MI	4,757	28	13	391
Ionia	MI	4,069	<10	47	460
Isabella	MI	<10	<10	1	18
Jackson	MI	3,263	13	20	362
Kalamazoo	MI	6,784	29	24	238
Kent	MI	41,913	87	43	345
Lake	MI	963	<10	98	628
Lapeer	MI	181	<10	3	145
Leelanau	MI	772	<10	11	692
Lenawee	MI	897	<10	8	171
Livingston	MI	5,422	16	26	441
Macomb	MI	52,671	88	49	374

Manistee	MI	<10	<10	1	26
Marquette	MI	5,406	<10	69	327
Mason	MI	1,266	<10	68	169
Mecosta	MI	225	<10	10	69
Midland	MI	1,489	<10	20	393
Monroe	MI	6,039	14	38	247
Montcalm	MI	1,410	<10	17	167
Muskegon	MI	3,627	22	16	300
Newaygo	MI	100	<10	5	344
Oakland	MI	73,198	201	32	368
Osceola	MI	260	<10	24	482
Ottawa	MI	1,210	<10	9	540
Roscommon	MI	154	<10	1	56
Saginaw	MI	15,482	28	67	345
St. Clair	MI	13,150	17	65	356
St. Joseph	MI	42	<10	2	23
Sanilac	MI	116	<10	6	482
Shiawassee	MI	1,323	<10	27	420
Tuscola	MI	90	<10	8	386
Van Buren	MI	3,258	<10	186	131
Washtenaw	MI	36,554	98	29	388
Wayne	MI	101,699	223	37	365

Table notes:

Table data was generated from IQVIA Longitudinal Prescription Data which captures approximately 90% of all prescriptions filled at retail pharmacies in the U.S. IQVIA web site accessible at: https://www.iqvia.com/solutions/realworld-evidence/real-world-data-and-insights.

Patient months: For every active buprenorphine prescriber, we calculated the total patient-months of care for 2017-2018. An active buprenorphine patient for one month contributed one patient-month of care. A patient possessing buprenorphine from a prescription in a month was considered an active patient; for example, a patient filling a 30-day prescription on September 15th was defined as an active patient in both September and October.

Episode and episode days' supply definition: Episodes that were active in 2017 and 2018 started with the first observed fill date of any buprenorphine prescription following a clean period, defined as at least a 90-day period after the day's supply of any prior buprenorphine prescription had run out. An episode lasted through the last day of the supply of medication for the last filled buprenorphine prescription, with no more than a 30-day gap between the last day's supply of one prescription and the filling of the subsequent prescription. Episode days' supply is the cumulative days' supply from the first filled prescription to the last day of supply of the last filled prescription. Overlapping buprenorphine prescriptions filled on the same day were treated as being taken concurrently; overlapping buprenorphine prescriptions not filled on the same day were treated as early refills and were treated as being take sequentially.

Episode primary prescriber: Episodes active in 2017 and 2018 as defined above in which the patient filled buprenorphine prescriptions from 2 or more prescribers were attributed to the prescriber (the primary prescriber) who wrote the majority of buprenorphine days of supply during the episode. Note that not all active prescribers were primary prescribers for an episode; examples include a prescriber who may have written one prescription during an episode to cover for the primary prescriber or a

prescriber who started the episode but then transfrerred care of the patient to a primary prescriber who was responsible for more of the days supply than the initial prescriber.

Primary prescriber patient census: For each prescriber, the number of patients with an active episode in 2017 or 2018 for which the prescriber was the primary prescriber.