

## Supplementary Material

**Article Title:** Clozapine Use Among People With Psychotic Disorders Who Experience Specific Indications for Clozapine

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### **DISCLAIMER**

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Supplementary Table 1 – Characteristics of patients experiencing specific indication events, limited to those enrolled for at least 2 years prior to and 1 year after the indication event

	Self-Harm (total n=590)	Suicidal Ideation (total n=3285)	Hospitalization or ED Visit (total n=721)	Any Event (total n=4111)
<b>Sex<sup>a</sup></b>				
Female	329 (55.8%)	1692 (51.5%)	344 (47.7%)	2107 (51.3%)
Male	261 (44.2%)	1591 (48.4%)	376 (52.1%)	2001 (48.7%)
Other	0	2 (0.1%)	1 (0.1%)	3 (0.1%)
<b>Age</b>				
18 to 29	260 (44.1%)	1207 (36.7%)	245 (34.0%)	1506 (36.6%)
30 to 44	134 (22.7%)	789 (24.0%)	184 (25.5%)	987 (24.0%)
45 to 64	143 (24.2%)	944 (28.7%)	213 (29.5%)	1178 (28.7%)
65 or older	53 (9.0%)	345 (10.5%)	79 (11%)	440 (10.7%)
<b>Race/Ethnicity<sup>b</sup></b>				
American Indian or Alaskan Native	6 (1.0%)	20 (0.6%)	2 (0.3%)	28 (0.7%)
Asian	36 (6.1%)	201 (6.1%)	55 (7.6%)	249 (6.1%)
Black	72 (12.2%)	496 (15.1%)	92 (12.8%)	576 (14.0%)
Hawaiian Native or Pacific Islander	4 (0.7%)	13 (0.4%)	2 (0.4%)	19 (0.5%)
Hispanic	116 (19.7%)	736 (22.4%)	160 (22.2%)	866 (21.1%)
Non-Hispanic White	303 (51.4%)	1611 (49.0%)	365 (50.6%)	2029 (49.4%)
Other	0	3 (0.1%)	1 (0.1%)	4 (0.1%)
Unknown	32 (5.4%)	78 (2.4%)	25 (3.5%)	197 (4.8%)

a - Sex as recorded in health insurance records, typically indicating sex assigned at birth

b - Self-reported race and ethnicity, typically reported at time of visit registration in response to standard categories

Supplementary Table 2 – Patterns of clozapine use among patients experiencing specific indication events (limited to patients continuously enrolled in participating health systems for at least 2 years prior to and 1 year after the indication event).

	Self-Harm (total n=590)			Suicidal Ideation (total n=3285)			Hospitalization or ED Visit (total n=721)			Any Event (total n=4111)		
	n	%	95% CI	n	%	95% CI	n	%	95% CI	n	%	95% CI
Any Prior Use	23	3.9%	2.5% - 5.8%	145	4.4%	3.7% - 5.2%	63	8.7%	6.8% - 11.0%	198	4.7%	4.1% - 5.4%
Dispensed in Last 35 Days	5	0.9%	0.3% - 2.0%	73	2.2%	1.8% - 2.8%	14	1.9%	1.1% - 3.2%	87	2.1%	1.7% - 2.5%
Start in Next 12 Months	6	1.0%	0.4% - 2.2%	41	1.3%	0.9% - 1.7%	31	4.3%	2.9% - 6.0%	61	1.5%	1.1% - 1.9%
No Use Before or After	560	94.9%	92.8% - 96.5%	3072	93.5%	92.7% - 94.4%	622	86.4%	83.9% - 88.9%	3820	90.7%	89.8% - 91.6%

Supplementary Table 3 – Patterns of clozapine use after indication events using alternative definitions

	Hospitalization for Psychosis (total n=643)			Suicidal Ideation Diagnosis (total n=5510)			Self-Reported Suicidal Ideation (total n=3771)		
	n	%	95% CI	n	%	95% CI	n	%	95% CI
Any Prior Use	60	9.3%	7.2% - 11.9%	176	3.2%	2.8% - 3.7%	140	3.7%	3.1% - 4.4%
Dispensed in Last 35 Days	16	2.5%	1.4% - 4.0%	71	1.3%	1.0% - 1.6%	79	2.1%	1.7% - 2.6%
Start in Next 12 Months	35	5.4%	3.8% - 7.5%	63	1.1%	0.9% - 1.5%	37	1.0%	0.7% - 1.4%
No Use Before or After	548	85.2%	82.2% - 87.9%	5271	95.7%	95.1% - 96.2%	3594	95.3%	94.6 - 96.0%

Supplementary Table 4 – Counts and rates of prior clozapine treatment among patients experiencing different indication events, stratified by race and ethnicity

	American Indian Alaskan Native	Asian	Black	Native Hawaiian Pacific Islander	Hispanic	Non-Hispanic White	Other	Unknown
<b>Self-Harm Event</b>								
Total number	14	49	173	8	196	555	46	56
Number with prior use	0	2	3	1	4	21	0	0
% with prior use	0.0%	4.1%	1.7%	12.5%	2.0%	3.8%	0.0%	0.0%
<b>Suicidal Ideation</b>								
Total number	34	317	1401	29	1229	2968	256	162
Number with prior use	1	15	22	2	46	148	0	4
% with prior use	2.9%	4.7%	1.6%	6.9%	3.7%	5.0%	0.0%	2.5%
<b>Hospitalization or ED Care</b>								
Total number	3	69	113	3	191	441	24	37
Number with prior use	0	8	4	0	15	46	0	4
% with prior use	0.0%	11.6%	3.5%	0.0%	7.9%	10.4%	0.0%	10.8%
<b>Any Indication Event</b>								
Total number	58	384	1532	38	1407	3602	286	341
Number with prior use	1	17	24	3	51	181	0	11
% with prior use	1.7%	4.4%	1.6%	7.9%	3.6%	5.0%	0.0%	3.2%

Supplementary Table 5 – Counts and rates of starting clozapine treatment among patients experiencing different indication events, stratified by race and ethnicity (limited to patients with no use of clozapine prior to indication event)

	American Indian Alaskan Native	Asian	Black	Native Hawaiian Pacific Islander	Hispanic	Non-Hispanic White	Other	Unknown
<b>Self-Harm Event</b>								
Total number	14	47	170	6	192	534	46	56
Number starting	0	1	0	0	0	8	0	1
% starting	0.0%	2.1%	0.0%	0.0%	0.0%	1.5%	0.0%	1.8%
<b>Suicidal Ideation</b>								
Total number	33	302	1379	27	1181	2822	256	158
Number starting	1	5	5	1	14	39	1	4
% starting	3.0%	1.7%	0.4%	3.7%	1.2%	1.4%	0.4%	2.5%
<b>Hospitalization or ED Care</b>								
Total number	3	61	109	3	176	395	24	33
Number starting	0	2	3	0	6	22	2	5
% starting	0.0%	3.3%	2.8%	0.0%	3.4%	5.6%	8.3%	15.2%
<b>Any Indication Event</b>								
Total number	57	367	1508	35	1354	3423	286	330
Number starting	1	6	6	1	17	55	3	9
% starting	1.8%	1.6%	0.4%	2.9%	1.3%	1.6%	1.0%	2.7%