

NAHDO August 26th, 2020



Opioid Analytics – Applications and Lessons Learned

Background: Developing Analytics to Address Opioid Abuse

Lewin developed an Opioid Analytics Module (OAM) for the West Virginia Department of Health and Human Resources (DHHR). The OAM includes data analytics to identify members, providers and counties with excessive opioid utilization.

June 2016

Lewin received Medicaid Fee-For-Service claims data, Medicaid managed care encounter data, provider data, and member enrollment data that were used to develop the OAM. May 2019 Nov 2018

Opioid Analytic workgroups were held between November 2018 and May 2019 to work with leaders of the *Bureau for Medical Services (BMS), Bureau for Behavioral Health (BBH), and the Office for Drug control Policy (ODCP)* to demonstrate the capabilities of the OAM and add additional analytics to support ongoing state efforts related to opioid and substance abuse by Medicaid members.



Opioid Analytic Module - Functionality

- Provider monitoring and program integrity
- Pharmacy Lock-in program
- Improving access to treatment providers and facilities



- Utilization of SUD Waiver Services
- Key Performance Indicators (KPIs)
- Identify members with excessive opioid utilization



Opioid Epidemic in the State of Georgia









HealthView™									
Opioid Prescriptions	by County								
county colors represent prescripti recent of members with opioid pr	ons count and circle colors represent escriptions	Select Eligi All	ibility Groups:		Select Age Gro All	ups:			
lover over or select a circle pioid prescription statistic	or county on the map to see s for members			Ν	lewton Cou	inty			
		Age Group	Eligibility Group	PMPM(\$)	Rx Scripts per 1000 Members per Year	Percent of Members with Opioid Rx	Total Members	Tot Membe with Opio	
		HCE S TA	Foster Care	\$0.00	0	0.0%	3.0	0	
			HCBW						
			SSI						
	and the second se		TANF	\$0.00	7	0.7%	153.0	1	
	2.4.	2-17	Foster Care	\$0.01	100	10.0%	10.0	1	
			HCBW						
			SSI	\$0.00	0	0.0%	3.0	0	
			TANF	\$0.02	61	5.2%	915.0	48	
\●		18-44	Foster Care	** **				_	
			HCBW	\$0.34	600	30.0%	10.0	3	
			NH	* 0.05		22.24			
			QDWI	\$0.05	667	33.3%	3.0	1	
			QMB	\$0.25	167	16.7%	12.0	2	
			SSI	\$0.00	266	0.0%		62	
		45-64	TANF HCBW	\$0.10 \$0.12	266	25.0%	316.0 8.0	2	
		43-04		\$U.12	5/5	25.0%	0.0	4	
			QDWI	\$0.00	0	0.0%	8.0	C	
			QDWI		77	3.8%	26.0	1	
			SSI	\$1.35 \$0.00	0	0.0%	26.0	0	
			TANE	\$0.00	429	28.6%	14.0	4	
		65+	HCBW	\$0.31	429	28.6%	14.0	4	
	-	03.	NH	\$0.04	91	9.1%	10.0	1	
Count of Opioid	Descent of Members 1.741		QDWI	<i>э</i> 0.00	91	3.1.10	11.0	1	
Prescriptions	Percent of Members with Opioid Prescriptions		QMB	\$0.03	65	6.5%	46.0	3	
0 3,168	0.0%		SSI	\$0.00	0	0.0%	1.0	0	
			TANF	40.00	0	0.070	1.0	0	
			17300						

					Opioid Prescription	Opioid		Rx Scripts per 1000	Percent of Members
Newton 1,552 18,624 130 \$1,197,10 168 \$0,06 108 8,4%	County	Total Members	Member Months	Opioid Members	Paid Amount	Prescriptions	PMPM(\$)	Members per Year	with Opioid Rx
	Newton	1,552	18,624	130	\$1,197.10	168	\$0.06	108	8.4%





	e opioid member rubie.	in the option	
of	Number of Members	Distinct Prescribing Providers	Number of Members
	11,253 (60.79 %)	1	13,784 (74.46 %)
	3,278 (17.71%)	2	2,919 (15.77 %)
	1,327 (7.17%)	3	935 (5.05 %)
	668 (3.61%)	4	379 (2.05 %)
	·406 (2.19 %)	5	181 (0.98%)
	· 295 (1.59 %)	6	129 (0.70 %)
	192 (1.04%)	7	62 (0.33 %)
	157 (0.85%)	8	43 (0.23%)
	135 (0.73%)	9	17 (0.09 %)
	95 (0.51%)	10	12 (0.06 %)
	97 (0.52%)	11	12 (0.06 %)
	90 (0.49%)	12	6 (0.03 %)
	72 (0.39 %)	13	6 (0.03 %)



HealthView™

Opioid Providers by Provider Type and Prescription Frequency

Select Provider Specialty

Multiple values

Provider Type

This bar graph shows the percent of members who were prescribed Opioid Prescriptions among all members that received prescriptions.

Select a Provider type to view what ratio of providers prescribed opioids to more than 25% of members who received a prescription.



3%	76.16% (885/1,162) of Family Medicine providers prescribed opioids to Less than 25% of Members	23.84% (277 / 1,162) of Family Medicine providers prescribed opioids to More than 25% of Members

Opioid Prescriptions by Family Medicine providers

more/fewer than 25% of members who received a prescription.

Select a category to filter the provider chart below.

This shows the percent of Family Medicine providers who prescribed opioids to

Set Range for Total Number of Members: 50 to 38,255

and Null values

1.000

Family Medicine Providers - who prescribed Opioids for More than 25% of Members

This shows the percent of members who received any prescription that were prescribed opioids by individual Family Medicine providers.

Use the filter on the top to filter the view by number of members who saw the provider. Click and hover on a provider to go to that provider's profile.

HYSICIAN 004415-00056786	49.2% (29/59)
HYSICIAN 007104-05777275	48.6% (36/74)
HYSICIAN 001809-00037788 4	16.0% (29/63)
HYSICIAN 002730-000E2373 4	5.5% (81/178)
HYSICIAN 001747-00036228 41.6	% (32/77)
HYSICIAN 013938-29681782 40.59	6 (32/79)
HYSICIAN 006770-04552806 39.4%	(43/109)
HYSICIAN 001128-00023978 39.3%	(22/56)
HYSICIAN 000970 - 00020990 39.0%	(83/213)
HYSICIAN 020051-50733826 38.1% (24/63)
HYSICIAN 001612-00033480 35.3% (18)	/51)
HYSICIAN 000240 - 00005447 35.1% (20)	/57)
HYSICIAN 024912 - 67335501 34.4% (22/	64)
HYSICIAN 002806-000E4918 33.3% (47/1	.41)
HYSICIAN 026570 - 72982781 32.5% (49/1	51)
HYSICIAN 015569 - 35227818 32.4% (35/10	08)
HYSICIAN 031691-90859561 32.4% (35/10	08)
HYSICIAN 000994-00021394 32.3% (52/16	51)
HYSICIAN 004257-000R9102 31.5% (29/92)
HYSICIAN 002784-000E4304 31.1% (41/132	2)

Members Prescribed Opioids by PHYSICIAN 024912 -67335501

This shows the members who were prescribed opioids by Provider Family Medicine

Select a member to view that member's opioid prescription history. Click and hover on a member to go to that member's profile.

Number of Opioid Prescriptions

16187965	Averag
17573981	1
196414135	• 1
20465972	1
264785215	1
299870250	1
34718980	1
364591317	1
403855348	1
427184360	1
503697449	1
518811479	1
652992603	1
673078624	1
730826678	1

Opioid Precriptions Over Time for Member 20465972								Prescribing Provider ID	
This shows all opioid prescr	iptions over	time for Memb	er 20465972. 1	he length of th	ie bar correspo	onds to the days sup	ply of	000F3857 000F9285	
the prescription. The color	denotes who	the prescribin	g provider was					000G2346	
HYDROCO/APAP TAB 5-500								000G5508	
APAP/CODEINE TAB 300-30								000G9175	
OXYCOD/APAP TAB 5-325MG								00002220	
HYDROCO/APAP TAB 5-500								00008987	
HYDROCO/APAP TAB 5-500								00023978	
HYDROCO/APAP TAB 5-500								00027227	
HYDROCO/APAP TAB 5-500		I						00075151	
HYDROCO/APAP TAB 5-500		I						00078032	
HYDROCO/APAP TAB 5-500								00085738	
HYDROCO/APAP TAB 5-500								00088773	
	Oct 1, 13	Dec 1, 13	Feb 1, 14	Apr 1, 14	Jun 1, 14	Aug 1, 14		04120701	
			Pre	scription Date				11435577	



HealthView™

Opioid Pharmacy Quality Alliance (PQA) Measures

Select a measure from the bar chart to filter the view below.

Measure	Measure Description						
Use of Opioids from Multiple Providers	The proportion of individuals with two or more opioid prescriptions with prescriptions for opioids from four or more prescribers AND four or more pharmacies.					7.30%	
Use of Opioid at High Dosage	The proportion of individuals with two or more opioid prescriptions with a daily dosage greater than 120 morphine milligram equivalents for 90 consecutive days or longer.				5.31%		
Use of Opioids at High Dosage and from Multiple Providers	The proportion of individuals with a daily dosage greater than 120 morphine milligram equivalents for 90 consecutive days or longer AND two or more opioid prescriptions with prescriptions for opioids from four or more prescribers AND four or more pharmacies.		1.54%				
Concurrent Use of Opioids and Benzodiazepines	This measure examines the percentage of individuals 18 years and older with concurrent use of prescription opioids and benzodiazepines for 30 or more cumulative days.						12.94%
		0.00%	2.00%	4.00% Usage	6.00% Rate	8.00%	10.00%

Stratify by: Mental Health

Concurrent Use of Opioids and Benzodiazepines -Stratified by Mental Health



County Carolina Alabama

Concurrent Use of Opioids and Benzodiazepines by Member



50.00%

Usage Rate

0.00%

≣





Opioid Utilization – MCO Comparison

HealthView™									
pioid Utilization S	tatistics (2/2018 - 1	/2019)							
ICO A									
Total Members	AVG Retro Risk	ED PMPM	Inpatient PMPM						
87,333	2.030	\$24.93	\$74.38						
Percent of Members with Opioid Prescriptions	Opioid Fills Per 1k Members	Prescribing Providers Per 1k Opioid Users	Pharmacies Per 1k Opioid Use						
13.26%	128	788.0	608.8						
eographical Distribution of	Members	Adherence to KPIs							





Confidential and Proprietary

89.2%

Initial opioid

prescription is

for <=7 days

supply

76.1%

No concurrent

opioid and

benzodiazepine

use

87.7%

Initial opioid

prescription is

for

Opioid Analytics – Lessons Learned

- It is not enough to present a story using analytics. Opioid analytics should be **actionable** and lead to a tangible improvement in treatment or prevention.
- Analytics should **align** with the State's Substance Use disorder program from project initiation.
- Partnership with health care providers is critical for program and policy success.





🗸 The Lewin Group

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