

Louisiana Medicaid Asthma-Related Expenditures & Resource Utilization in Calendar Year 2009

Presented to

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Methods – Asthma

- ❖ The results were based on paid and adjusted Louisiana Medicaid claims.
- ❖ Study period (measurement year) was from January 1 to December 31, 2009, with a 6-month completion period.
- ❖ The steps below were followed to identify the eligible recipients with asthma for this study:
 - Step 1: Recipients were identified as having persistent asthma if they met at least one of the following criteria during both the measurement year and the year prior to the measurement year. Criteria need not be the same across both years.
 - At least one ED visit with asthma as the principal diagnosis
 - At least one acute inpatient claim/encounter with asthma as the principal diagnosis
 - At least four outpatient asthma visits with asthma as one of the listed diagnosis and at least two asthma medication dispensing events
 - At least four asthma medication dispensing events
 - Step 2: Recipients were identified as having persistent asthma because of at least four asthma medication dispensing events, where leukotriene modifiers were the sole asthma medication dispensed in that year, must also have had at least one diagnosis of asthma, in any setting, in the same year as the leukotriene modifier.
- ❖ Recipients were excluded from the eligible population if they were diagnosed with emphysema, COPD, cystic fibrosis or acute respiratory failure any time on or prior to December 31, 2009.
- ❖ A claim with a primary or a secondary diagnosis of asthma or asthma-related pharmacy claims was counted toward asthma-related costs.

Asthma Prevalence in Louisiana Medicaid

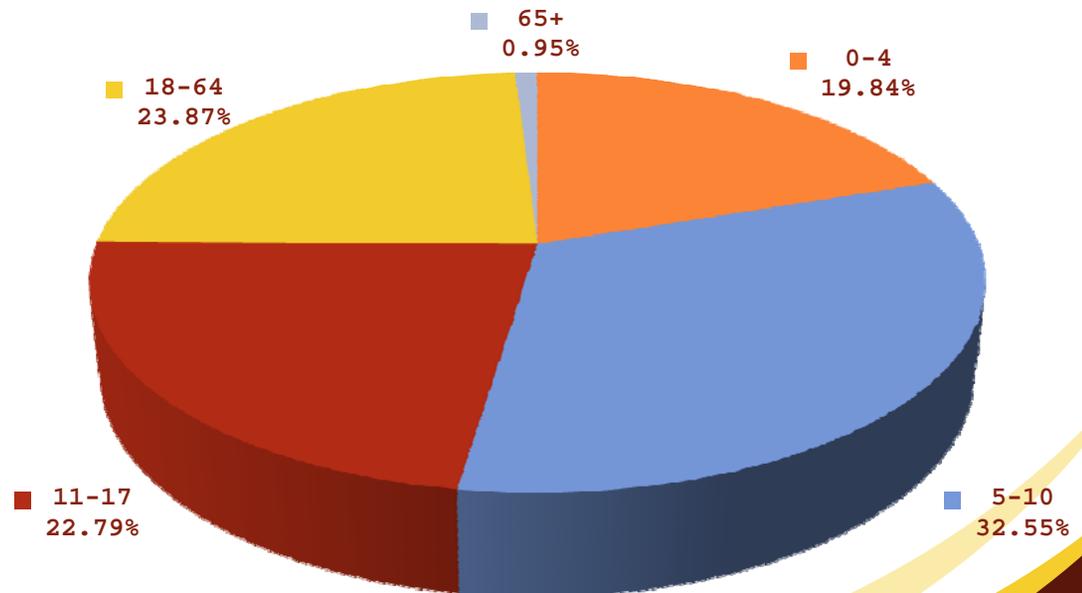
Age Group	Number of Medicaid Enrollees	Number of Recipients with Asthma	Prevalence
0-4	237,443	6,145	2.59%
5-10	237,672	10,082	4.24%
11-17	239,595	7,060	2.95%
18-64	450,080	7,395	1.64%
65+	112,611	295	0.26%
Overall Prevalence	1,277,401	30,977	2.43%

Note:

- ❖ Results were based on calendar year 2009 enrollment data.
- ❖ Ages were calculated as of December 31, 2009.
- ❖ Also, number of enrollees and number of recipients with asthma were calculated from those who were eligible for at least one month in 2009.

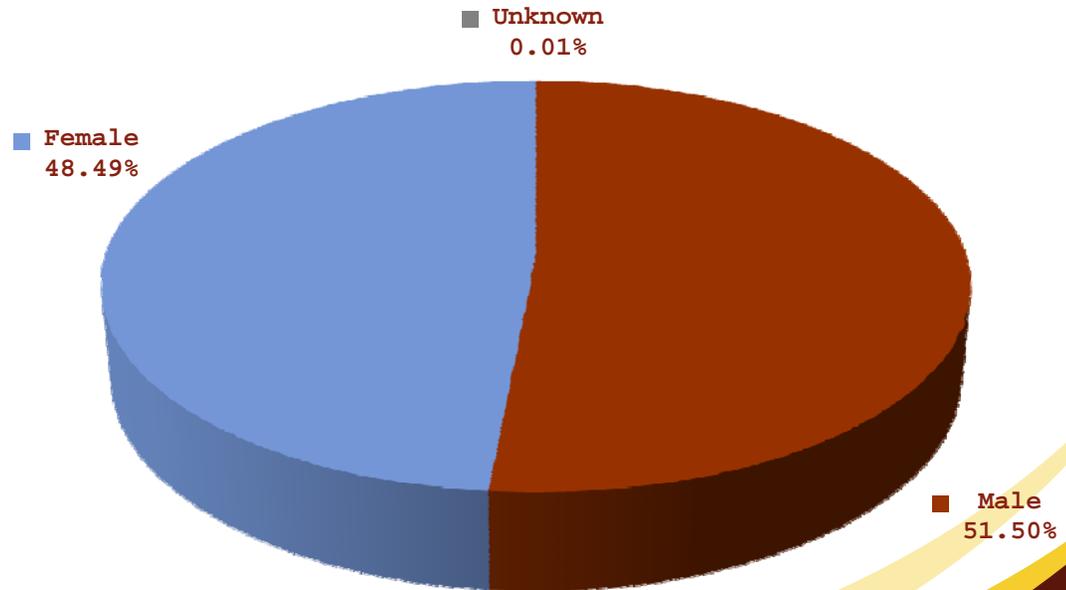
Asthma Recipient Demographics – Age

Age Group	Number of Recipients
0-4	6,145
5-10	10,082
11-17	7,060
18-64	7,395
65+	295
Total	30,977



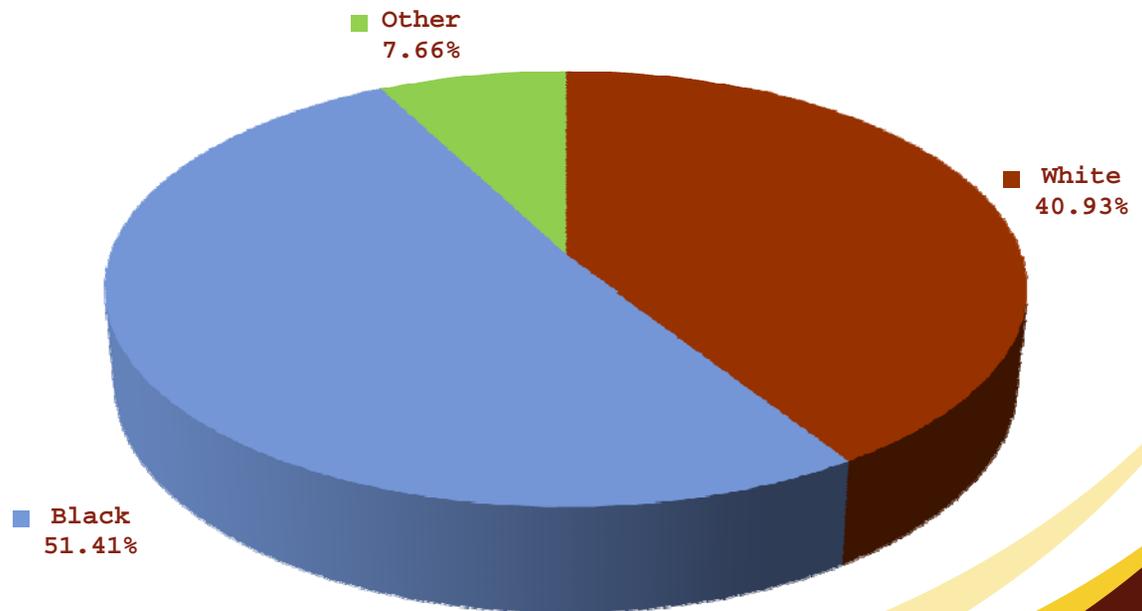
Asthma Recipient Demographics – Gender

Gender	Number of Recipients
Male	15,953
Female	15,022
Unknown	2
Total	30,977



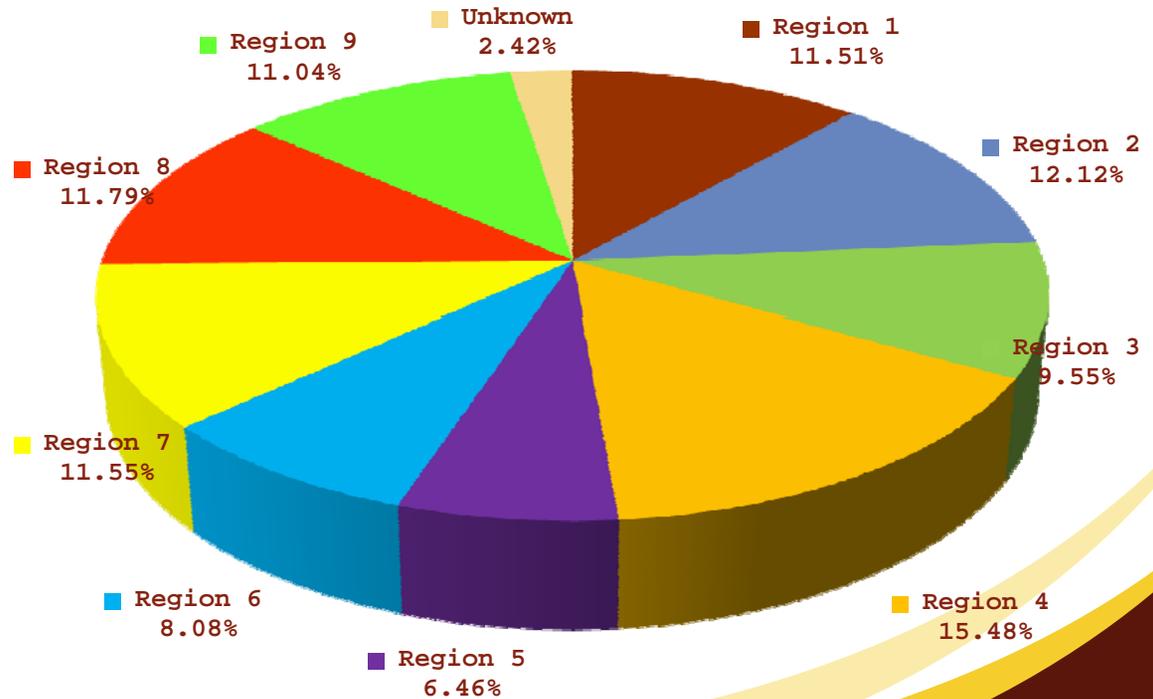
Asthma Recipient Demographics – Race

Race	Number of Recipients
White	12,679
Black	15,924
Other	2,374
Total	30,977



Asthma Recipient Demographics – Region

Region	Number of Recipients
Region 1	3,566
Region 2	3,755
Region 3	2,957
Region 4	4,795
Region 5	2,000
Region 6	2,504
Region 7	3,577
Region 8	3,652
Region 9	3,420
Unknown	751
Total	30,977



Expenditure by Age, Gender & Race

Age	# of Recips	# of Claims	Cost	Cost Per Recip
0-4	6,145	94,329	\$ 12,788,481	\$ 2,081
5-10	10,082	164,533	\$ 19,577,844	\$ 1,942
11-17	7,060	117,789	\$ 13,036,769	\$ 1,847
18-64	7,395	154,128	\$ 20,367,672	\$ 2,754
65+	295	5,173	\$ 782,249	\$ 2,652

Gender	# of Recips	# of Claims	Cost	Cost Per Recip
Male	15,953	268,937	\$ 32,943,963	\$ 2,065
Female	15,022	266,979	\$ 33,600,391	\$ 2,237
Unknown	2	36	\$ 8,660	\$ 4,330

Race	# of Recips	# of Claims	Cost	Cost Per Recip
White	12,679	202,784	\$ 25,244,984	\$ 1,991
Black	15,924	291,719	\$ 35,959,476	\$ 2,258
Other	2,374	41,449	\$ 5,348,555	\$ 2,253

Expenditure by Region

Region	# of Recips	# of Claims	Cost	Cost Per Recip
Region 1	3,566	63,004	\$ 8,656,135	\$ 2,427
Region 2	3,755	62,682	\$ 7,483,763	\$ 1,993
Region 3	2,957	51,459	\$ 5,819,500	\$ 1,968
Region 4	4,795	83,767	\$ 10,164,804	\$ 2,120
Region 5	2,000	30,460	\$ 3,957,555	\$ 1,979
Region 6	2,504	40,130	\$ 5,201,156	\$ 2,077
Region 7	3,577	66,181	\$ 8,422,719	\$ 2,355
Region 8	3,652	65,733	\$ 8,191,361	\$ 2,243
Region 9	3,420	58,924	\$ 6,964,339	\$ 2,036
Unknown	751	13,612	\$ 1,691,682	\$ 2,253

Appendix – Diagnosis Codes & Descriptions

Disease	Diagnosis Code	Description
Asthma	493.XX	ASTHMA
COPD	491.2X	OBSTRUCT CHR BRONCHITIS
	493.2X	CHRONIC OBSTRUCT.ASTHMA W/OBST PUL DISEA
	496.XX	CHR AIRWAY OBSTRUCT NEC
	506.4X	FUM/VAPOR CHR RESP COND
	506.4X	FUM/VAPOR CHR RESP COND
Emphysema	492.XX	EMPHYSEMA
	506.4X	FUM/VAPOR CHR RESP COND
	518.1X	INTERSTITIAL EMPHYSEMA
	518.2X	COMPENSATORY EMPHYSEMA