



# Medication Management for People with Asthma and Asthma Medication Ratio (MMA, AMR)

Medication Management for People with Asthma: Assesses adults and children 5–85 years of age who were identified as having persistent asthma and were dispensed appropriate asthma-controlled medications that they remained on for at least 75% of their treatment period.

Asthma Medication Ratio: Assesses adults and children 5–85 years of age who were identified as having persistent asthma and had a ratio of controller medications to total asthma medications of 0.50 or greater during the measurement year.

## WHY IT MATTERS

Asthma is a treatable, reversible condition that **affects more than 25 million people** in the United States. Managing this condition with appropriate medications could save the U.S. billions of dollars in medical costs.<sup>1</sup> The **prevalence and cost of asthma have increased** over the past decade, demonstrating the need for better access to care and medication. Appropriate medication management for patients with asthma could reduce the need for rescue medication—as well as the costs associated with ER visits, inpatient admissions and missed days of work or school.

## RESULTS

### MEDICATION COMPLIANCE RATE 75% (5–11 YEARS)

Year	Commercial	PPO	Medicaid	Medicare	PPO
	HMO	PPO	HMO	HMO	PPO


**MEDICATION COMPLIANCE RATE 75% (5–11 YEARS)**

2017	40.3	41.1	31.2	-	-
2016	37.8	38.5	29.6	-	-
2015	38.4	39.7	28.3	-	-
2014	37.2	39.1	26.6	-	-
2013	38.4	42.8	27.6	-	-
2012	32.4	34.5	25.3	-	-

**MEDICATION COMPLIANCE RATE 75% (12–18 YEARS)**

Year	Commercial	Medicaid	Medicare		
	HMO	PPO	HMO	HMO	PPO
2017	37.0	40.0	30.0	-	-
2016	35.6	38.0	28.6	-	-
2015	34.8	36.5	26.3	-	-
2014	34.1	35.4	24.3	-	-
2013	35.3	38.8	25.6	-	-
2012	32.0	34.1	25.1	-	-

**MEDICATION COMPLIANCE RATE 75% (19–50 YEARS)**

Year	Commercial	Medicaid	Medicare		
	HMO	PPO	HMO	HMO	PPO
2017	48.3	51.2	41.1	-	-
2016	45.6	47.5	39.0	-	-


**MEDICATION COMPLIANCE RATE 75% (19–50 YEARS)**

2015	43.1	46.3	37.8	-	-
2014	42.4	43.2	35.6	-	-
2013	43.8	48.0	36.4	-	-
2012	39.7	42.1	34.3	-	-

**MEDICATION COMPLIANCE RATE 75% (51–64 YEARS)**

Year	Commercial	Medicaid	Medicare		
	HMO	PPO	HMO	HMO	PPO
2017	60.0	63.1	53.9	-	-
2016	57.3	59.5	51.7	-	-
2015	55.2	58.7	50.1	-	-
2014	54.0	56.3	48.2	-	-
2013	55.6	59.8	51.9	-	-
2012	52.6	55.6	50.3	-	-

**MEDICATION COMPLIANCE RATE 75% (OVERALL)**

Year	Commercial	Medicaid	Medicare		
	HMO	PPO	HMO	HMO	PPO
2017	50.3	52.6	36.9	-	-
2016	48.5	49.5	34.9	-	-
2015	46.2	48.5	32.8	-	-
2014	44.6	45.6	30.5	-	-

**MEDICATION COMPLIANCE RATE 75%  
(OVERALL)**


2013	46.1	49.7	31.3	-	-
2012	41.8	43.5	28.9	-	-

**ASTHMA MEDICATION RATIO (5–11 YEARS)**

Year	Commercial		Medicaid	Medicare	
	HMO	PPO	HMO	HMO	PPO
2017	87.1	87.5	72.4	-	-
2016	86.9	87.9	72.5	-	-
2015	87.0	88.7	70.1	-	-
2014	86.0	87.0	69.5	-	-
2013	89.4	89.7	76.6	-	-

**ASTHMA MEDICATION RATIO (12–18  
YEARS)**

Year	Commercial		Medicaid	Medicare	
	HMO	PPO	HMO	HMO	PPO
2017	77.4	79.2	63.4	-	-
2016	78.7	78.8	62.7	-	-
2015	77.5	78.1	59.1	-	-
2014	75.4	76.6	57.7	-	-
2013	78.9	79.9	65.9	-	-

**ASTHMA MEDICATION RATIO (19–50  
YEARS)**

Commercial	Medicaid	Medicare
-	-	-


**ASTHMA MEDICATION RATIO (19–50 YEARS)**

Year	HMO	PPO	HMO	HMO	PPO
2017	73.7	74.8	52.5	-	-
2016	73.1	72.6	51.6	-	-
2015	71.6	71.5	49.0	-	-
2014	71.4	70.1	47.2	-	-
2013	73.5	71.9	50.1	-	-

**ASTHMA MEDICATION RATIO (51–64 YEARS)**

Year	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	82.5	83.4	56.2	-	-
2016	81.4	81.7	55.1	-	-
2015	81.4	81.4	51.8	-	-
2014	81.8	80.7	49.1	-	-
2013	83.0	82.9	51.5	-	-

**ASTHMA MEDICATION RATE (OVERALL)**

Year	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	78.6	79.5	61.4	-	-

## References

1. Centers for Disease Control and Prevention (CDC). 2011. "CDC Vital Signs: Asthma in the US."

<http://www.cdc.gov/vitalsigns/pdf/2011-05-vitalsigns.pdf>



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