Healthy Montgomery 2023 Goal Setting

Purpose

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- Encourage collaboration across communities and sectors
- Empower individuals toward making informed health decisions
- Measure the impact of prevention activities

Baseline and Goal Setting
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- U.S. baseline: 2005-2008; HP 2020
- MD baseline: 2013 MD; MD SHIP 2017
- MoCo baseline: 2016-2017; HM 2023

Methods – HP 2020 Example

Target-Setting Method	Number of Objectives	% of Total	Targets Met	% of Targets Met
10 percent improvement	576	62.2%	210	36.5%
Specific percentage point improvement	26	2.8%	8	30.8%
Maintain the baseline value	13	1.4%	4	30.8%
Minimal statistical significance	50	5.4%	12	24.0%
Projection/trend analysis	78	8.4%	17	21.8%
Consistency with national programs, regulations, policies, and laws	80	8.6%	17	21.3%
Retention of Healthy People 2010 target	10	1.1%	2	20.0%
Total coverage/elimination	83	9.0%	5	6.0%
Modeling	10	1.1%	0	0.0%
Total	926	100%	275	29.7%

Methods – MD SHIP Example

	Measure	2013	Proposed 2017 Goal	Target Setting Method (2013 data used as baseline for target calculations
1.	Reduce **infant mortality**	6.6	6.3	5% improvement to hit HP 2020 target
2.	Reduce the percent of **low birth weight** births	8.5	8.0	6% improvement=1/2 of 2020 target
3.	Reduce rate of **sudden unexpected infant deaths (SUIDs)****	0.90	0.86	5% improvement to hit HP 2020 target
4.	Reduce the **teen birth rate (ages 15-19)**	19.3	17.8	60% of previous improvement
5.	Increase the % of pregnancies starting **care in the 1st trimester**	61.9	66.9	8% improvement
6.	Increase the proportion of children who receive **blood lead screenings**	66.2	69.5	5% improvement
7.	Increase the % entering **kindergarten ready to learn*****	83.0	85.5	3% improvement
8.	Increase the %of students who **graduate high school*****	86.4	88.6	2.5% improvement (modest since we are above
9.	Increase the % of adults who are **physically active**	48.0	50.4	5% improvement
10.	Increase the % of adults who are at a **healthy weight**	35.9	36.6	2.5% improvement
11.	Reduce the % of **children** who are considered **obese (high school only)**	11.0	10.7	2.5% improvement
12.	Reduce the % of **adults** who are **current smokers**	16.3	15.5	5% improvement
13.	Reduce the % of **youths** using any kind of **tobacco product (high school only)**	16.9	15.2	10% improvement

Methods

Criteria for goal setting

- Comparison with HP2020 and MD SHIP 2017
- Magnitude of differences
- Trends over time
- Feasibility of changes
- Ongoing and continuing surveillance and evaluation

Methods

- Did we reach the goals of HP2020 and MD SHIP?

Measure	Montgomery County 2016 Rate	HP2020 Goal	Did MoCo Achieve this goal?	MD SHIP 2017 Goal	Did MoCo Achieve this goal?
Suicide Mortality	6.2 per 100,000 population	10.2 per 100,000 population	Yes ✓	9.0 per 100,000 population	Yes ✓

Measure	Montgomery County 2016 Rate	Montgomery County Trend 2008-16	HP2020 Goal	Did MoCo Achieve this goal?	MD SHIP 2017 Goal	Did MoCo Achieve this goal?	Method
Suicide Mortality	6.2 per 100,000 population	**Fluctuating**	10.2 per 100,000 population	Yes ✓	9.0 per 100,000 population	Yes ✓	**2.5% Improvement**

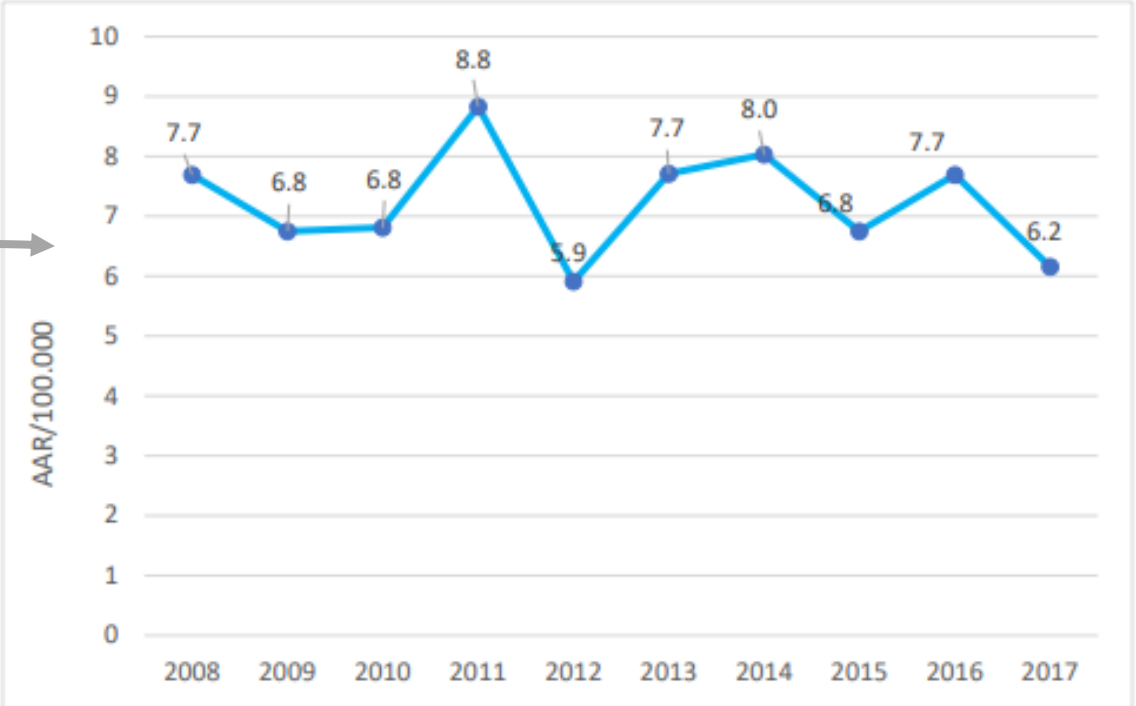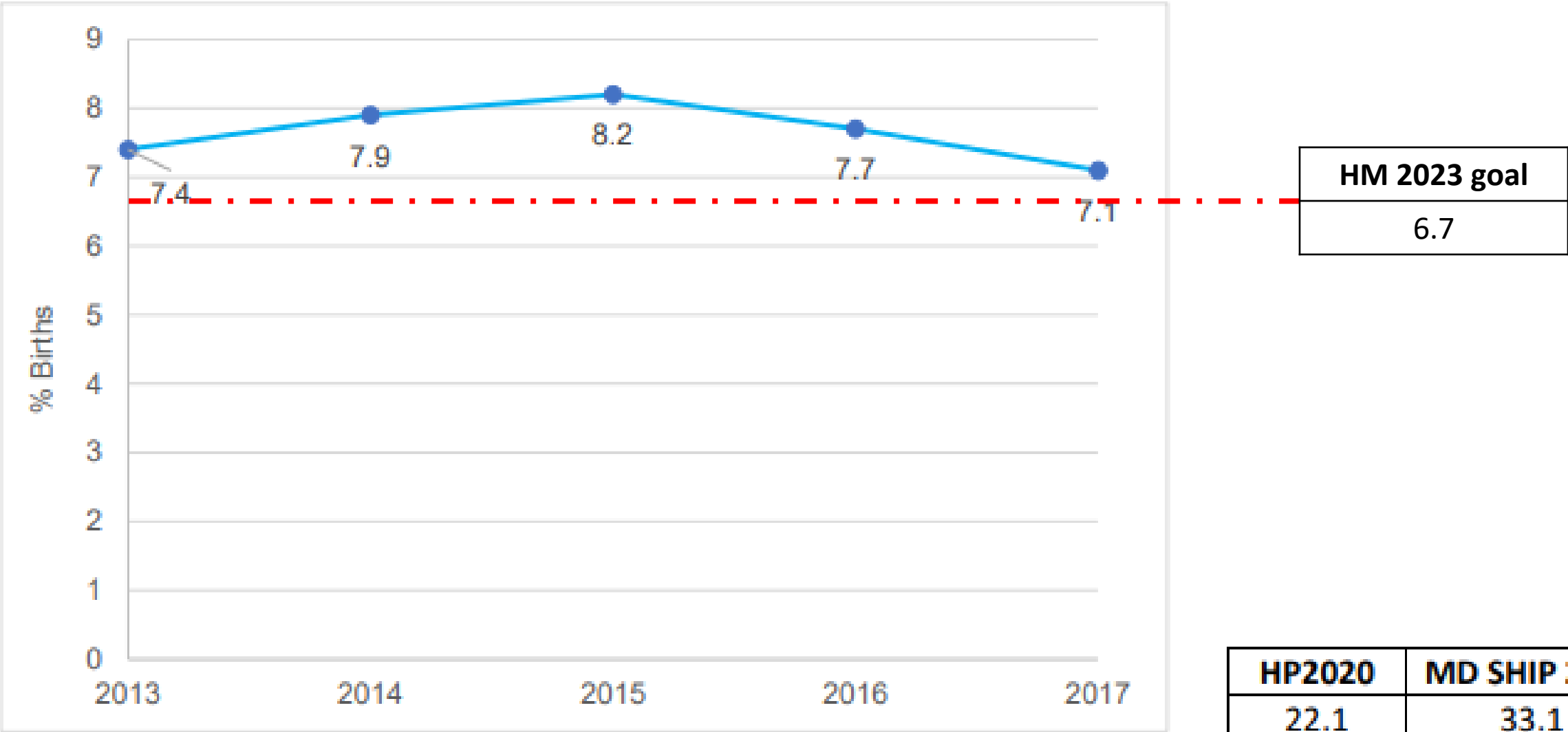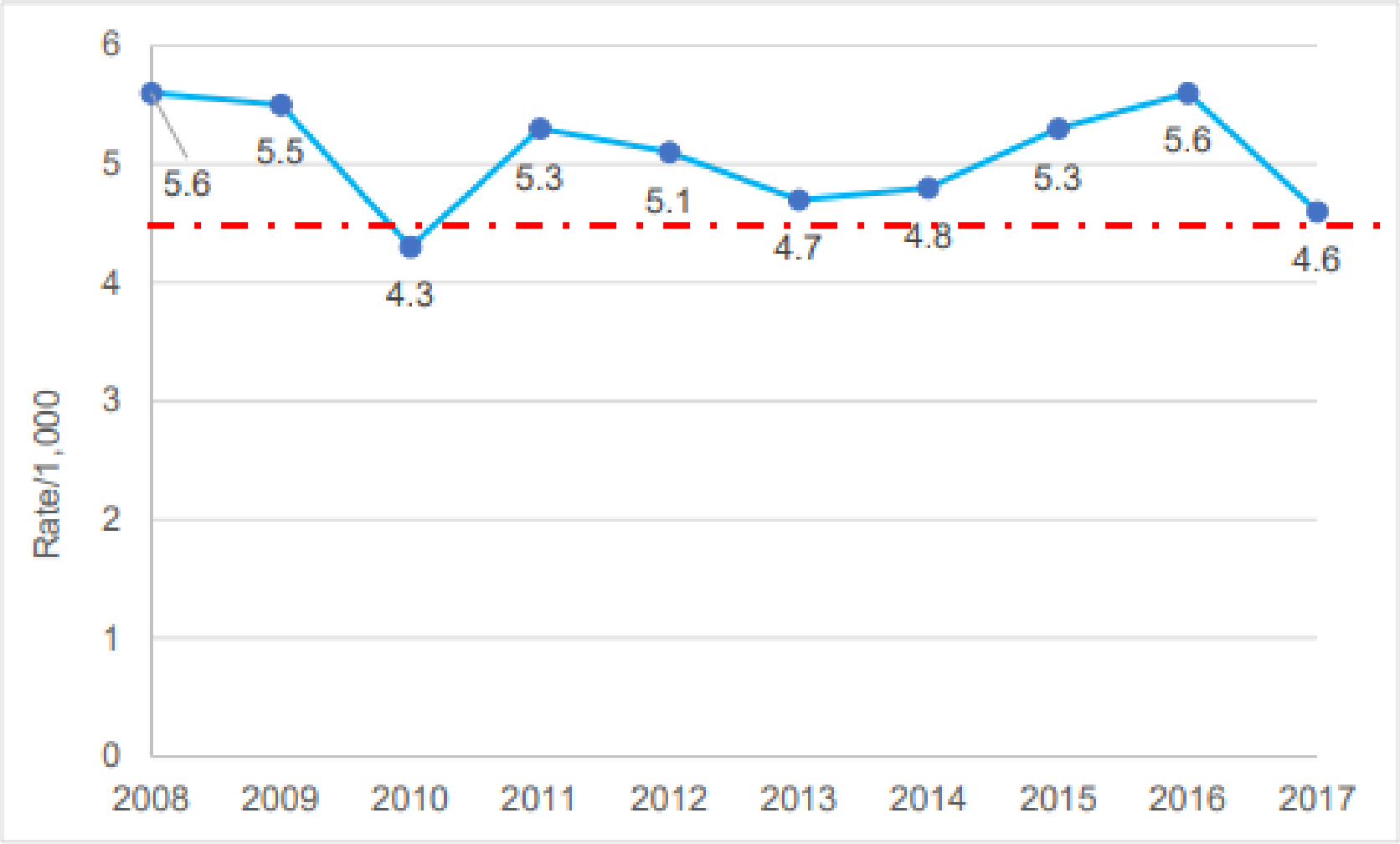Suicide Mortality Age-Adjusted Rates, Montgomery County, 2008-2017

Table 1. Healthy Montgomery Core Measures by Topic Area

Maternal and Infant Health
- Late/No Prenatal Care
- Infant Mortality
- Preterm Births

Behavioral health
- Mental Health Related ER Visit
- Suicide Mortality
- Drug-Induced Mortality
- Substance Abuse ER Visit

Chronic Disease

Obesity:
Adults who are Overweight or Obese
Diabetes:
Diabetes Mortality
Diabetes ER Visit
Cardiovascular health:
Heart Disease Mortality
Heart disease ER Visit
High Blood Pressure Prevalence
Chronic Lower Respiratory Disease Mortality
Chronic Lower Respiratory Disease ER Visit

Infectious Disease
- Incidence of TB
- Incidence of Chlamydia
- Incidence of Gonorrhea
- Incidence of Syphilis
- Incidence of HIV

Injury
- Firearm Hospitalization
- Fall Mortality
- Fall Hospitalization
- Fall ER Visit
- Motor Vehicle ER Visit

Percent Births with Late/No Prenatal Care, Montgomery County, 2013-2017

	HM 2023 goal
	6.7

HP2020	MD SHIP 2017
22.1	33.1

Infant Mortality Rates, Montgomery County, 2008-2017

Preterm Birth Percentage, Montgomery County, 2013-2017

HM 2023 goal	
8.6	

HP2020	
9.5	
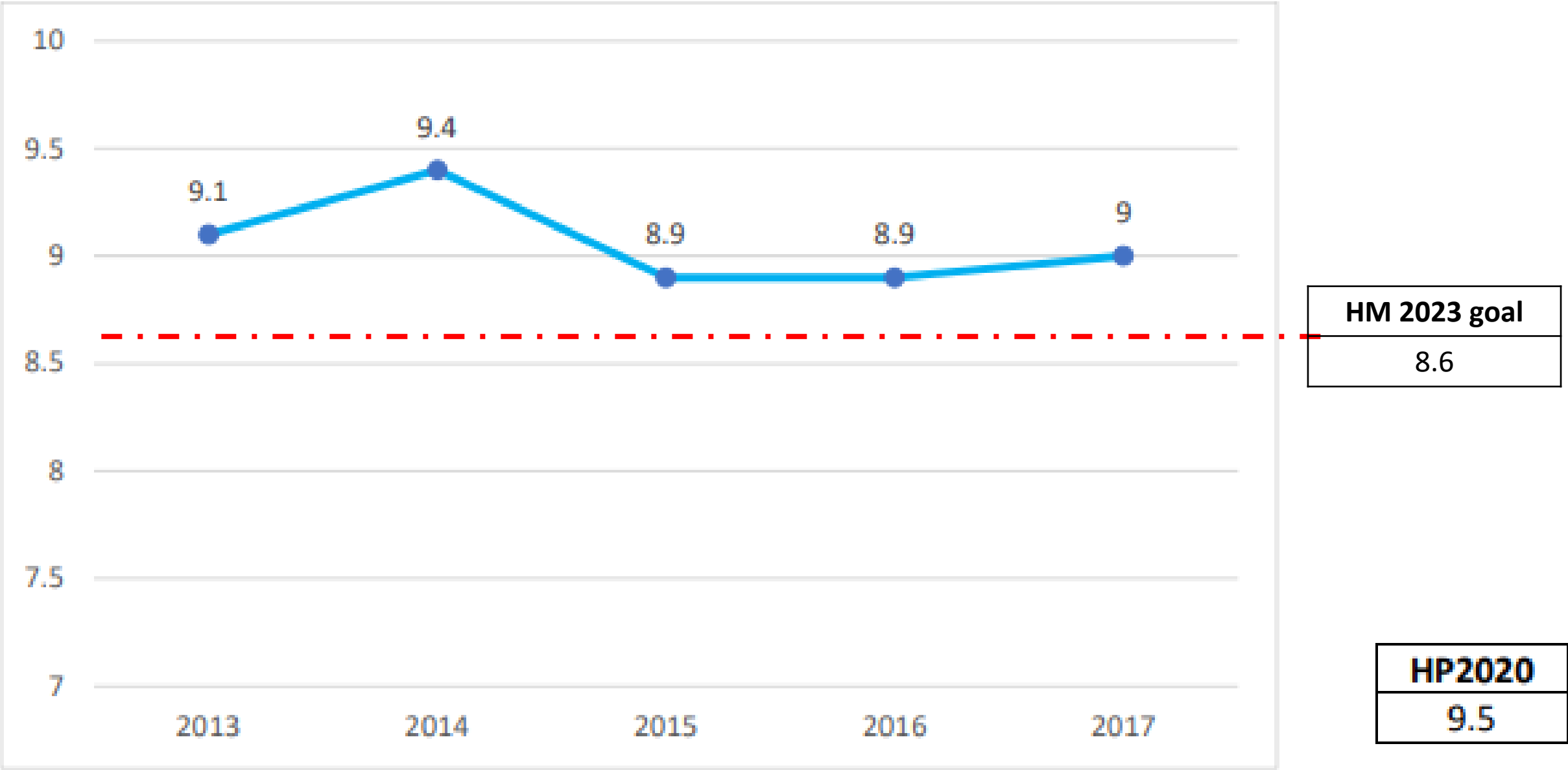
Mental Health Related ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017

HM 2023 goal
1299.4

MD SHIP 2017
3,152.6
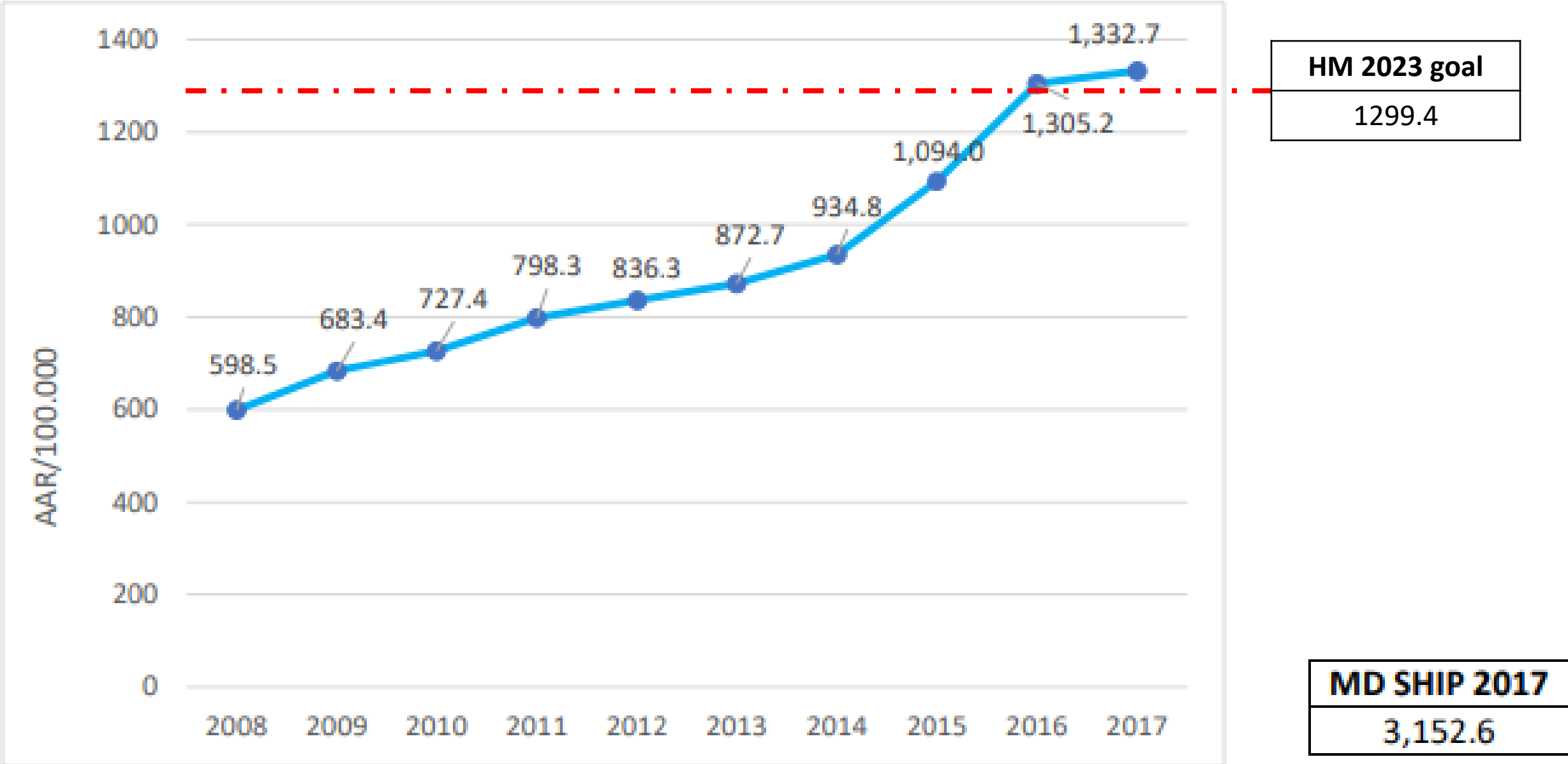
Suicide Mortality Age-Adjusted Rates, Montgomery County, 2008-2017
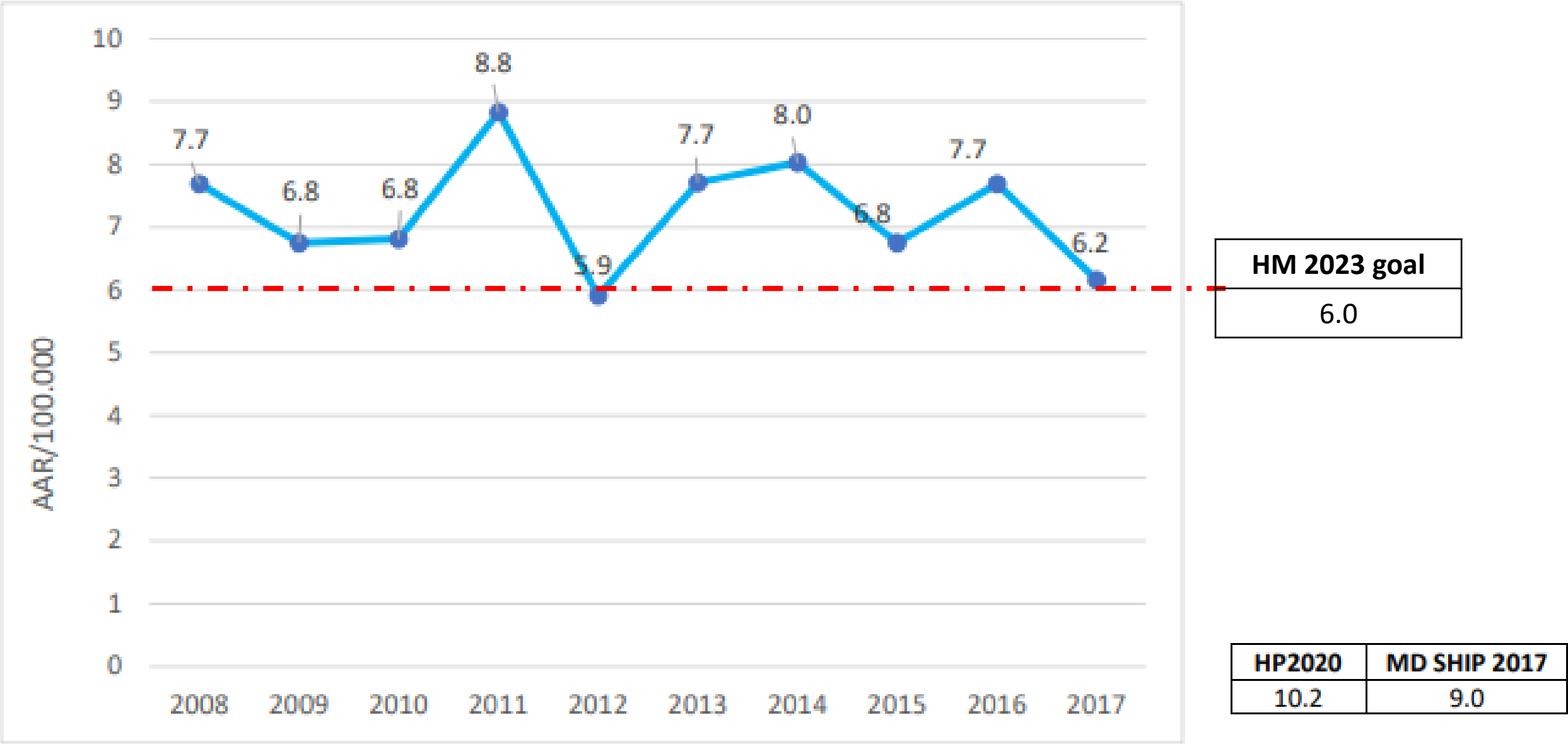
Drug-Induced Mortality Age-Adjusted Rates, Montgomery County, 2008-2017
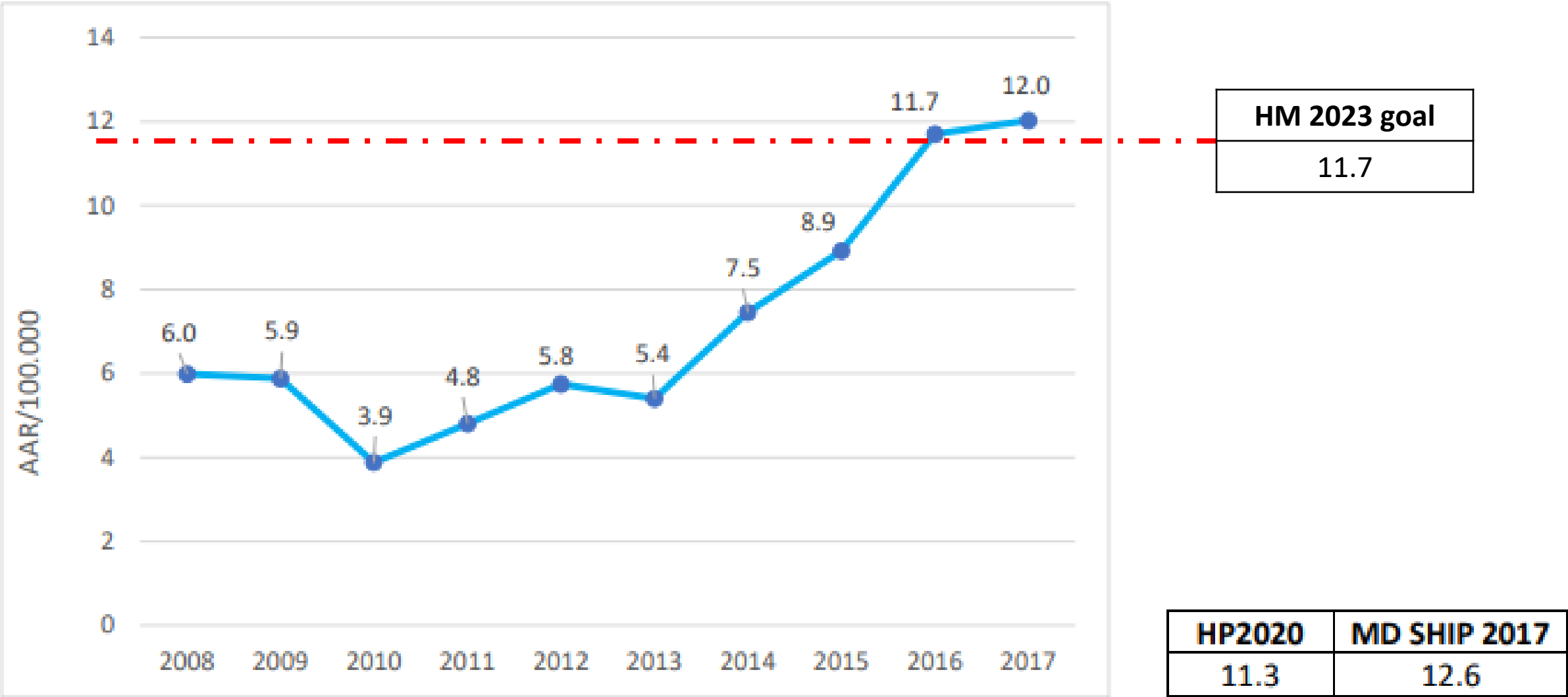
Substance Abuse ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017

Percentage of Adults Overweight or Obese, Montgomery County, 2011-2016
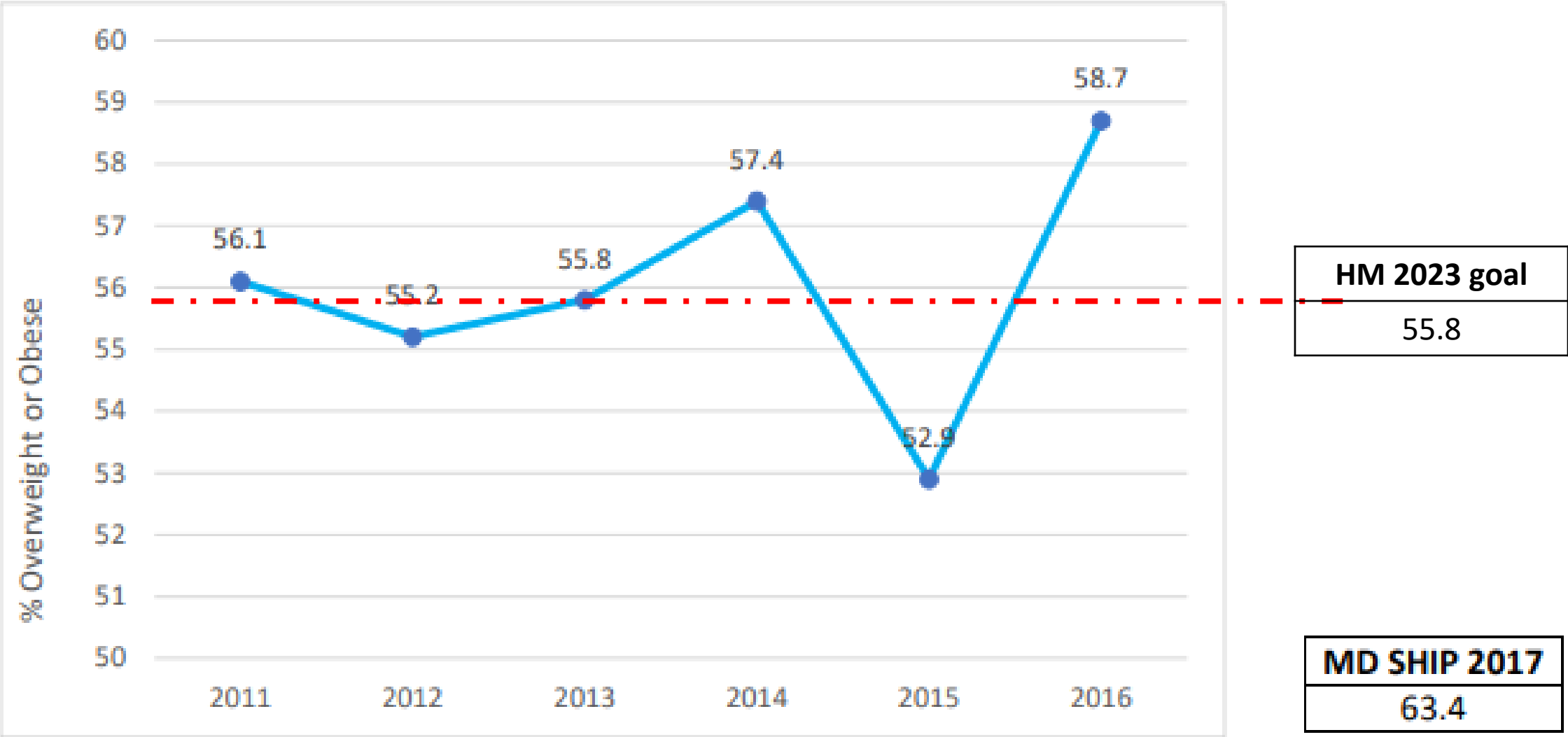
Percentage of Adults with High Blood Pressure, Montgomery County, 2011-2016

	HM 2023 goal
	32.4%

Data points:
- 2011: 21.6
- 2013: 27.7
- 2015: 24.7
- 2016: 36

Y-axis: % Hight Blood Pressure
X-axis: 2011, 2013, 2015, 2016

Diabetes ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017
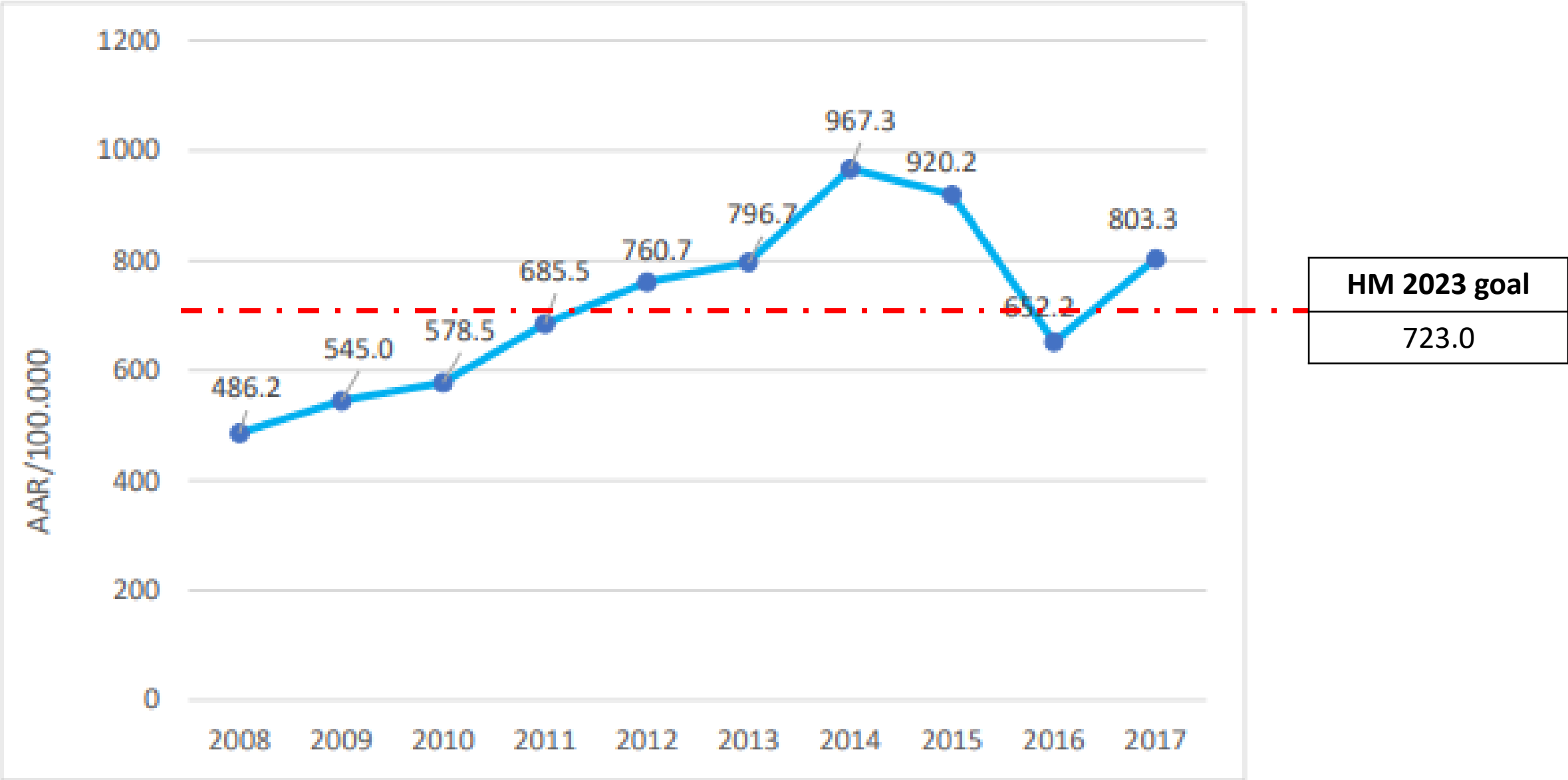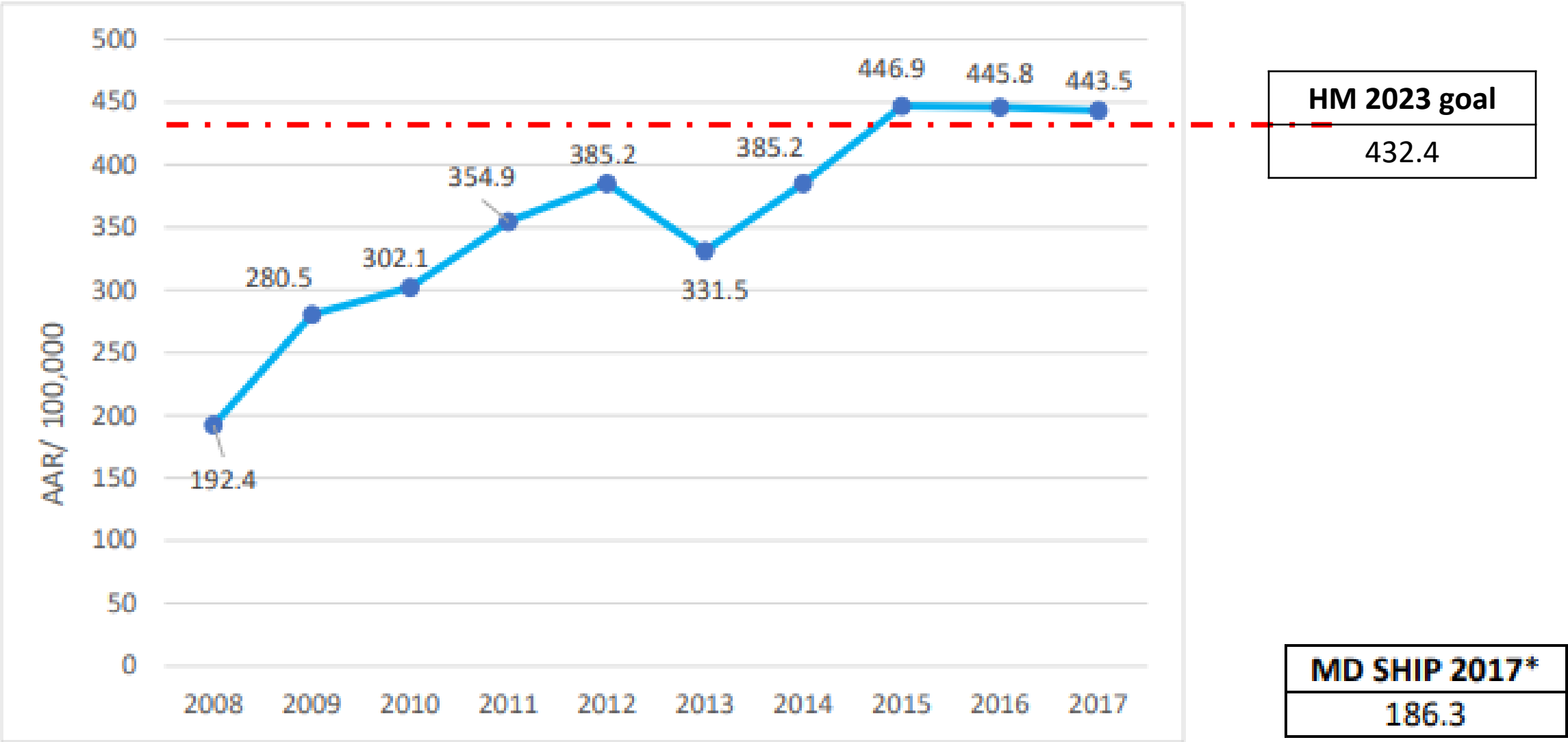
* Different methodology may have been used.

Diabetes Mortality Age-Adjusted Rates, Montgomery County, 2008-2017

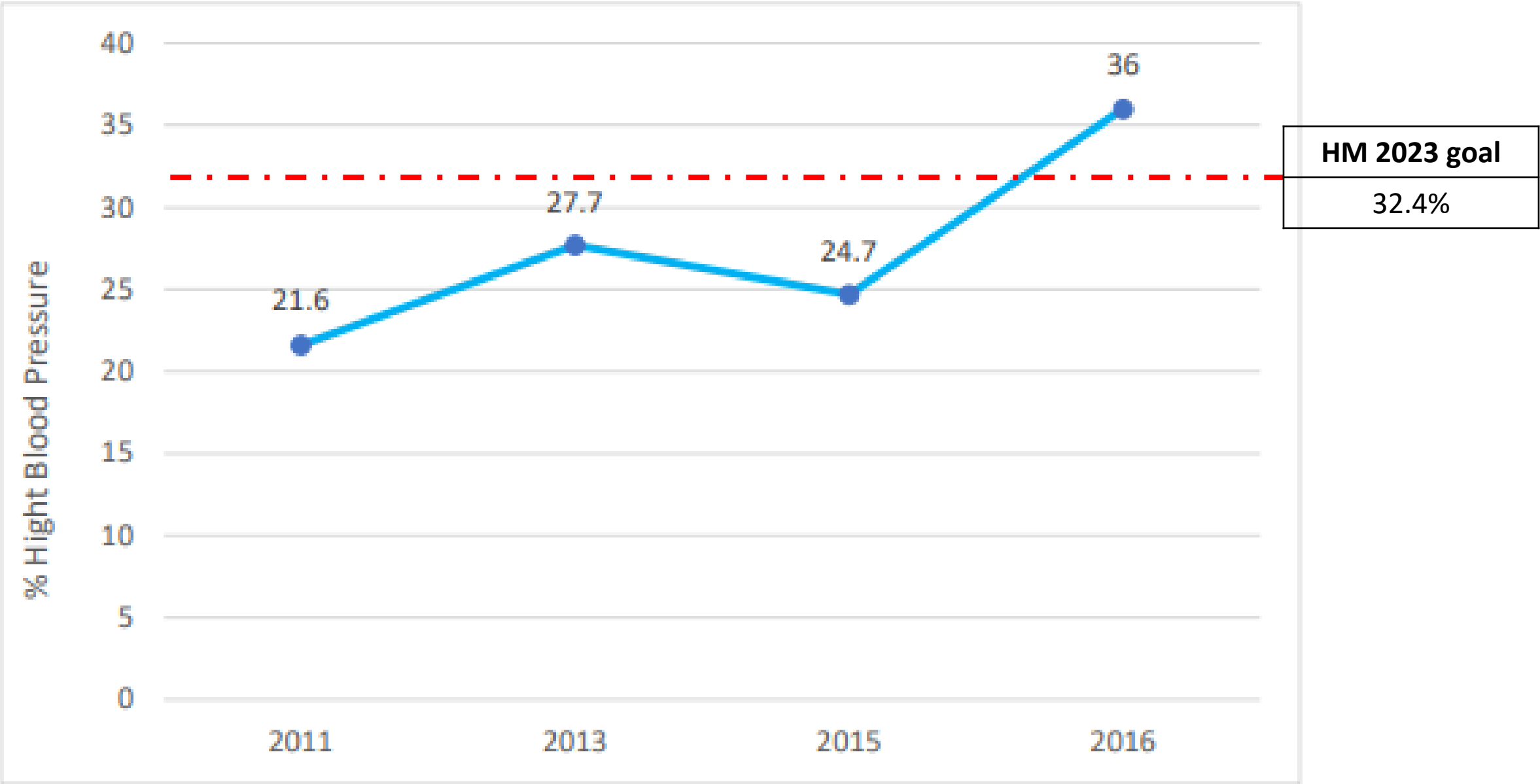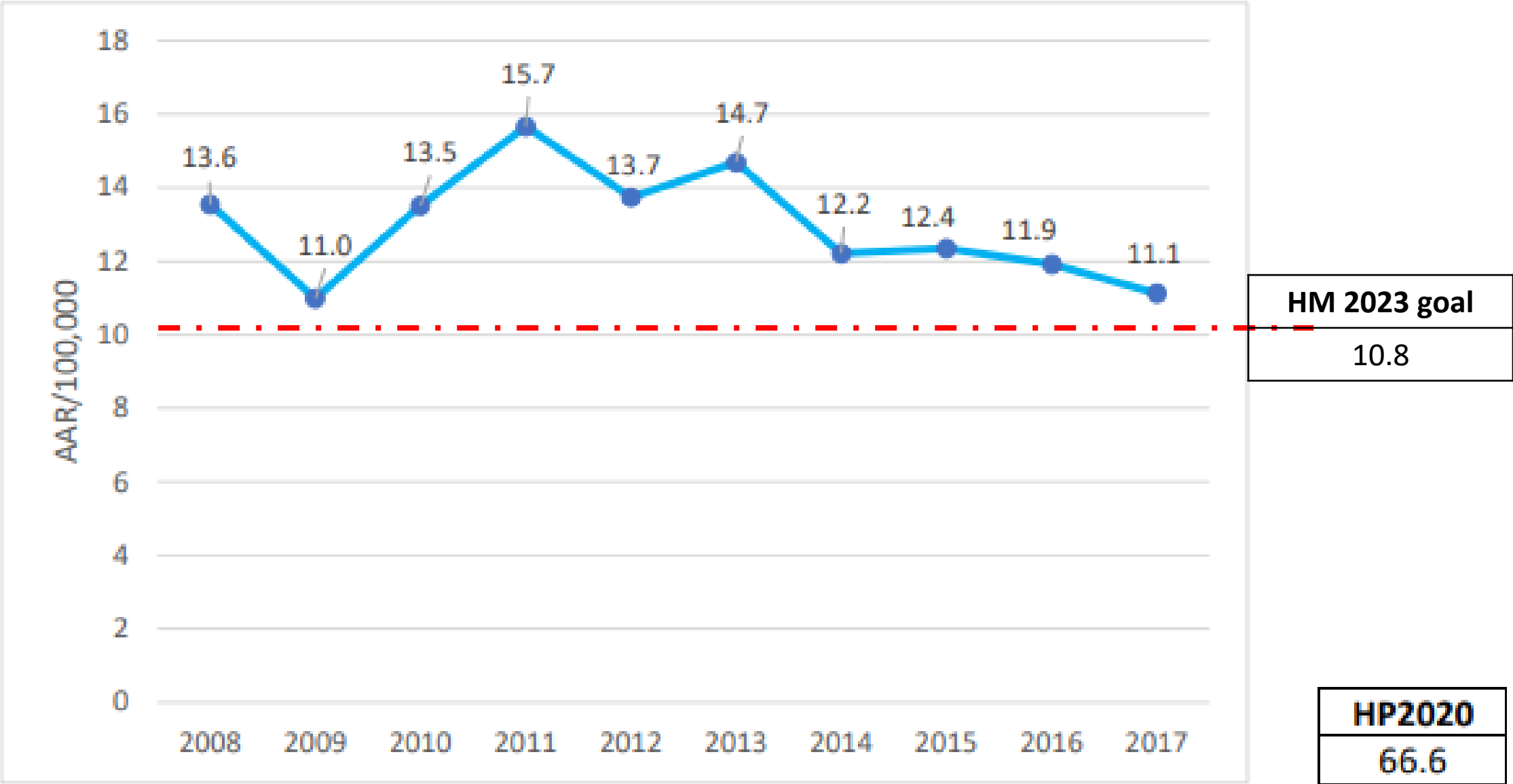Heart Disease Mortality Age-Adjusted Rates, Montgomery County, 2008-2017

	HM 2023 goal
	100.0

HP2020	MD SHIP 2017
103.4	166.3

Heart Disease ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017

HM 2023 goal
1756.7

Data points:
- 2008: 760.6
- 2009: 1,013.1
- 2010: 1,043.4
- 2011: 1,202.6
- 2012: 1,367.9
- 2013: 1,330.7
- 2014: 1,457.1
- 2015: 1,741.1
- 2016: 1,794.3
- 2017: 1,801.7

Y-axis: AAR / 100,000
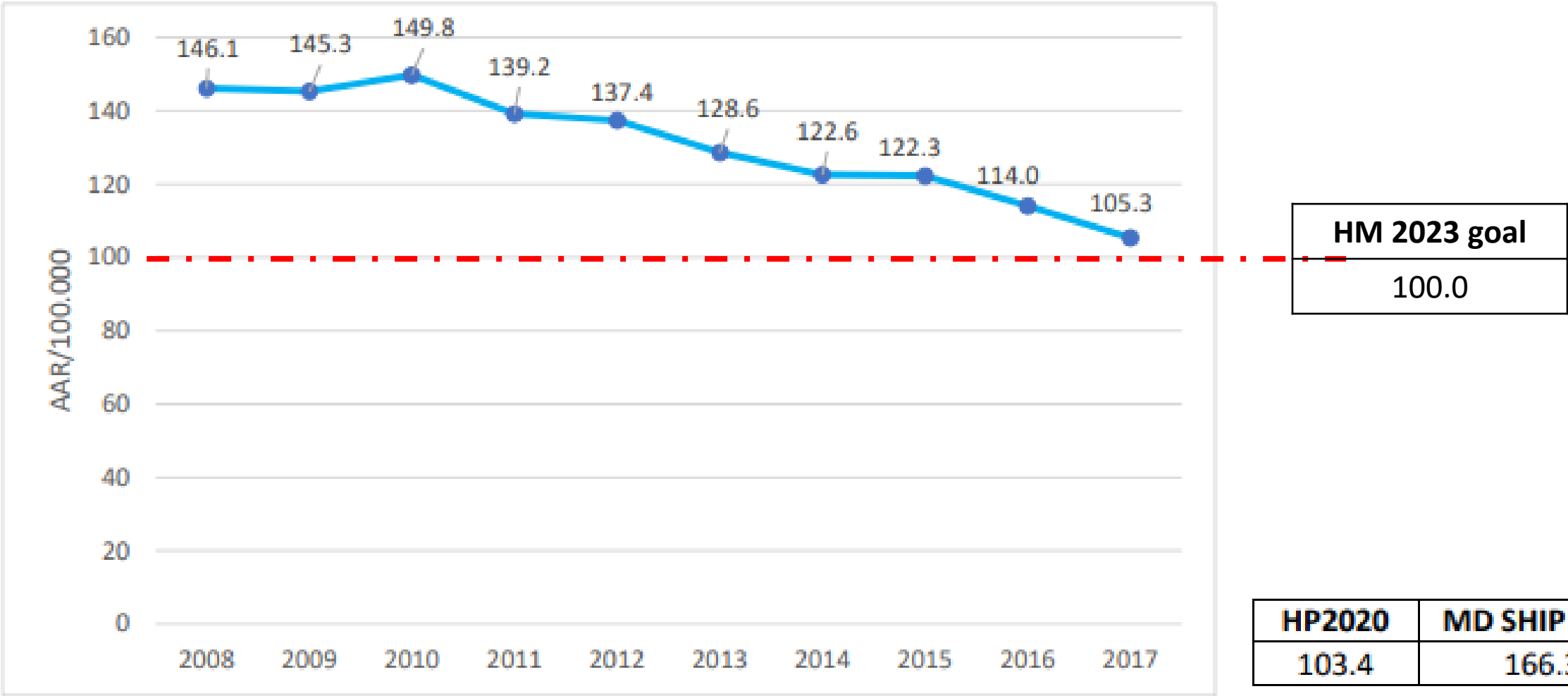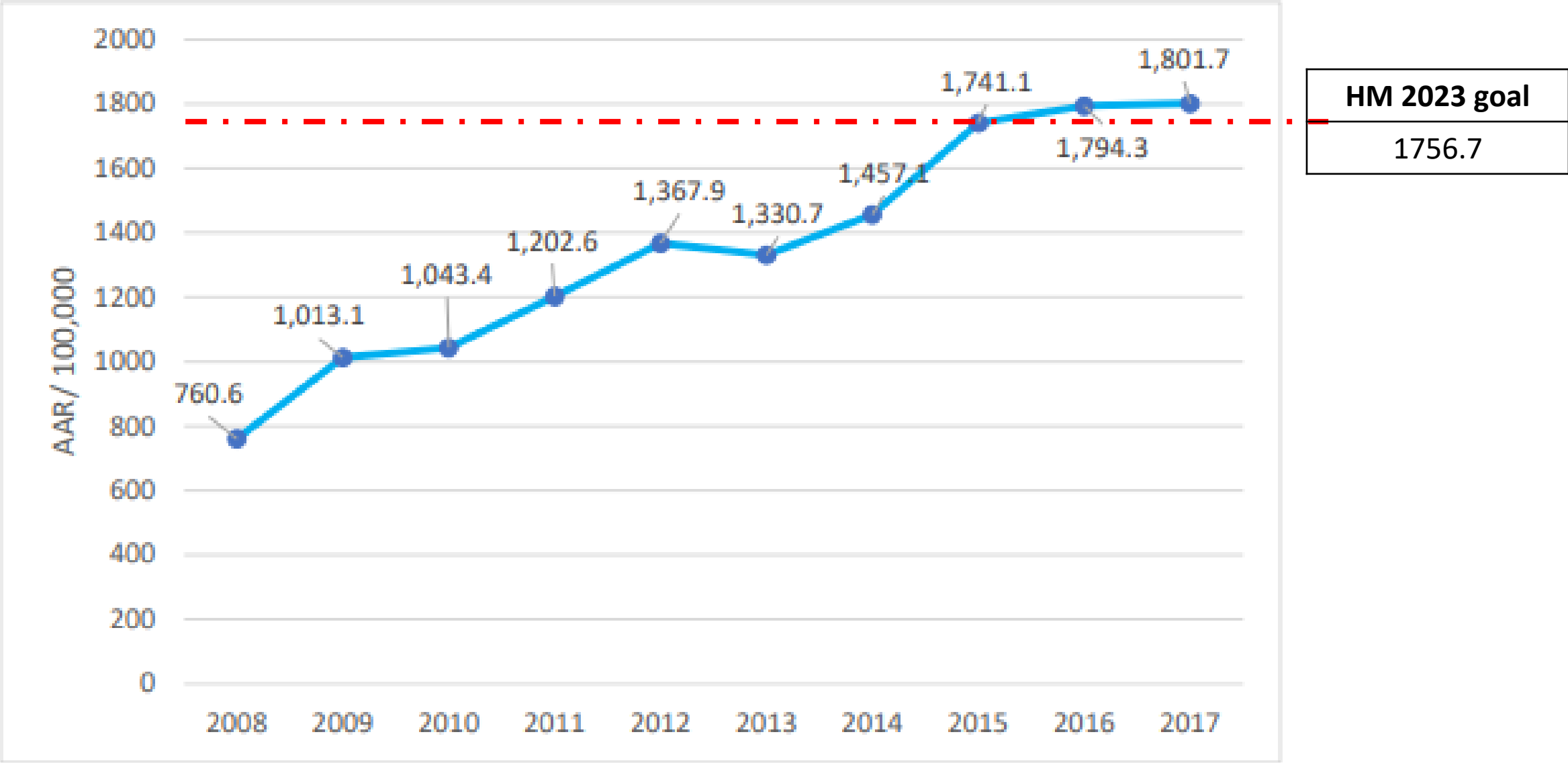
Chronic Lower Respiratory Disease ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017
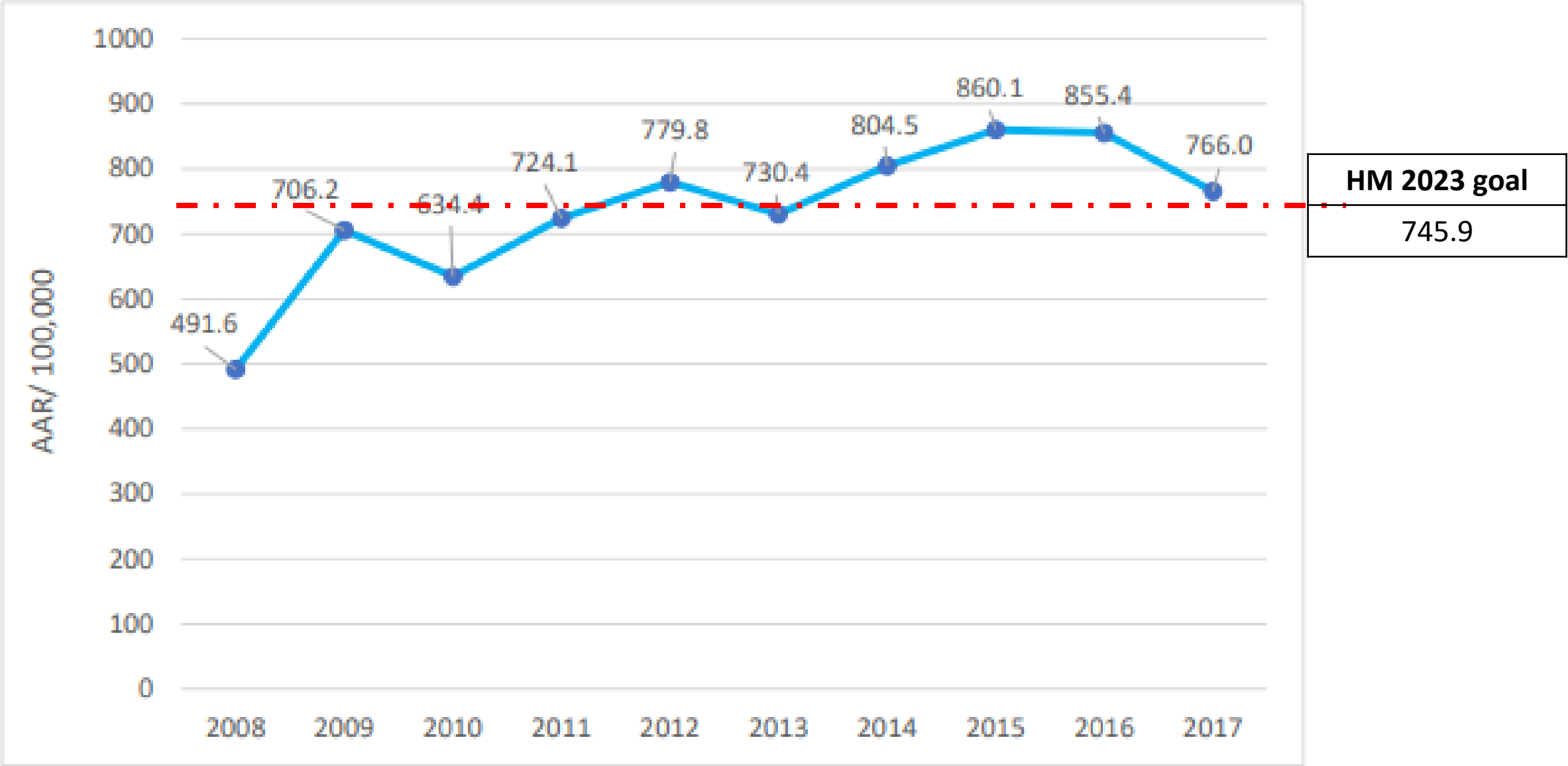
Chronic Lower Respiratory Disease Mortality Age-Adjusted Rates, Montgomery County, 2008-2017
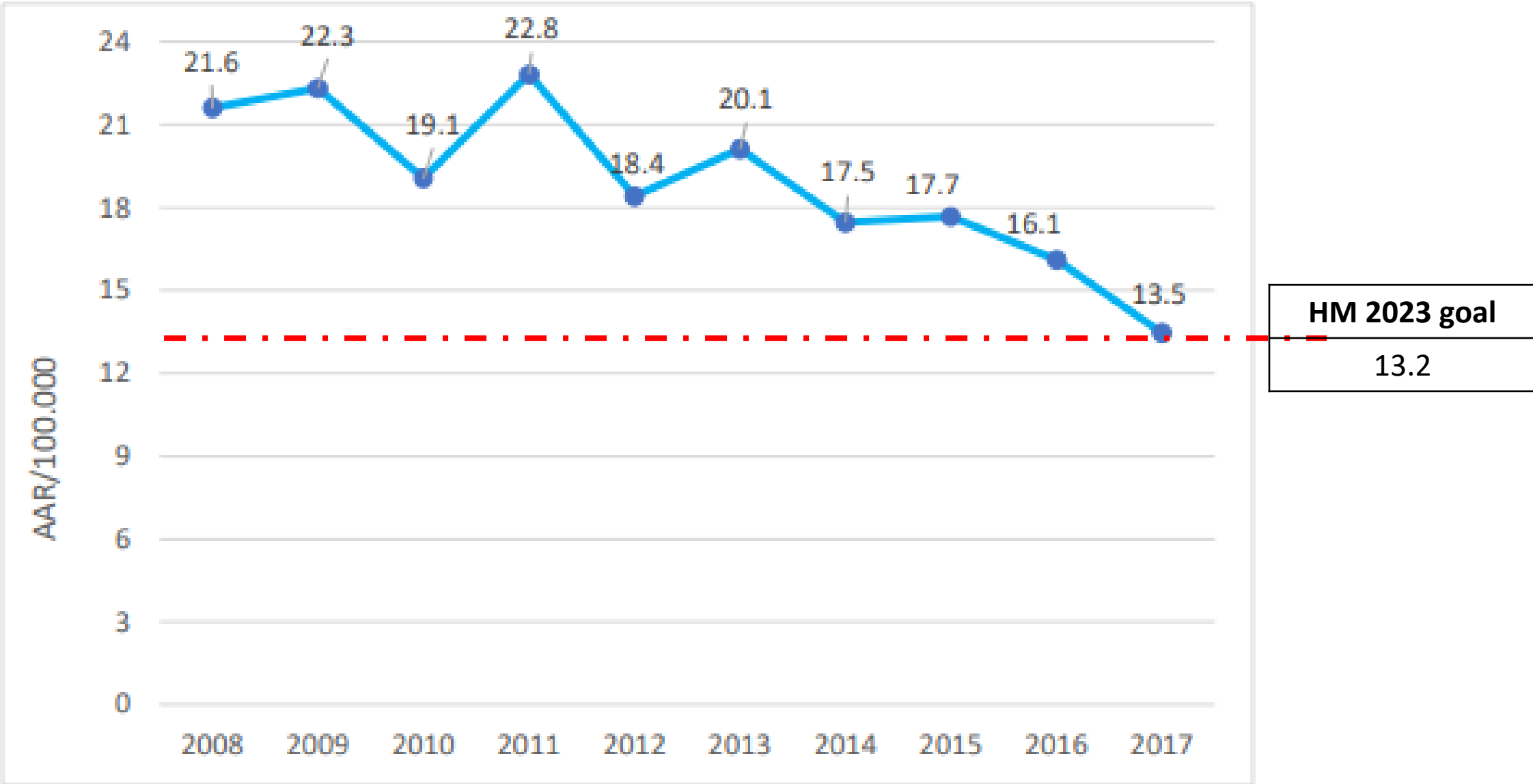
Tuberculosis Incidence Rates, Montgomery County, 2013-2017
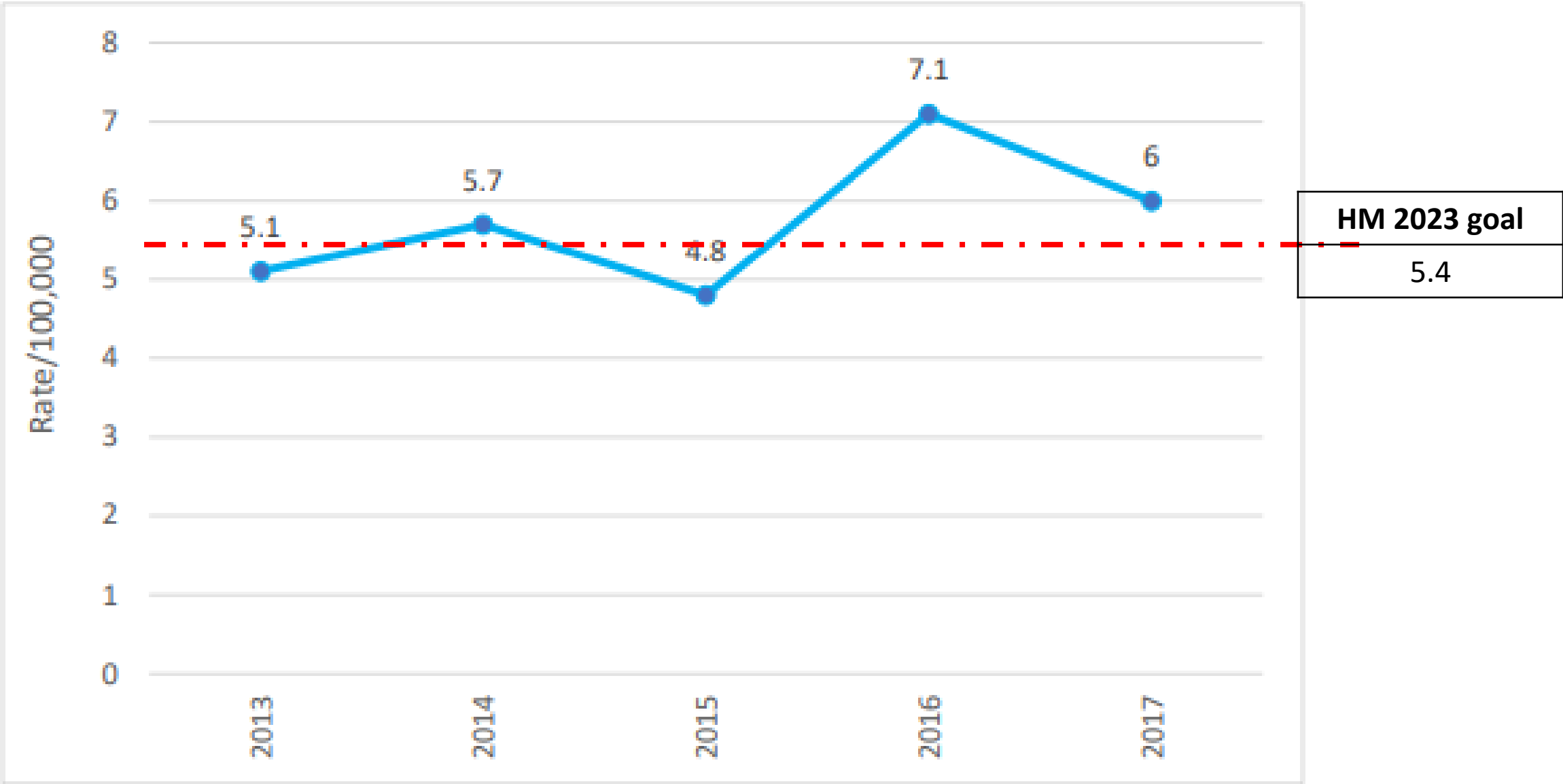
Chlamydia Incidence Rates, Montgomery County, 2013-2017

Gonorrhea Incidence Rates, Montgomery County, 2013-2017

Rate/100,000

	HM 2023 goal
	66.9

2013: 46.1
2014: 40.5
2015: 37.2
2016: 53.9
2017: 68.6
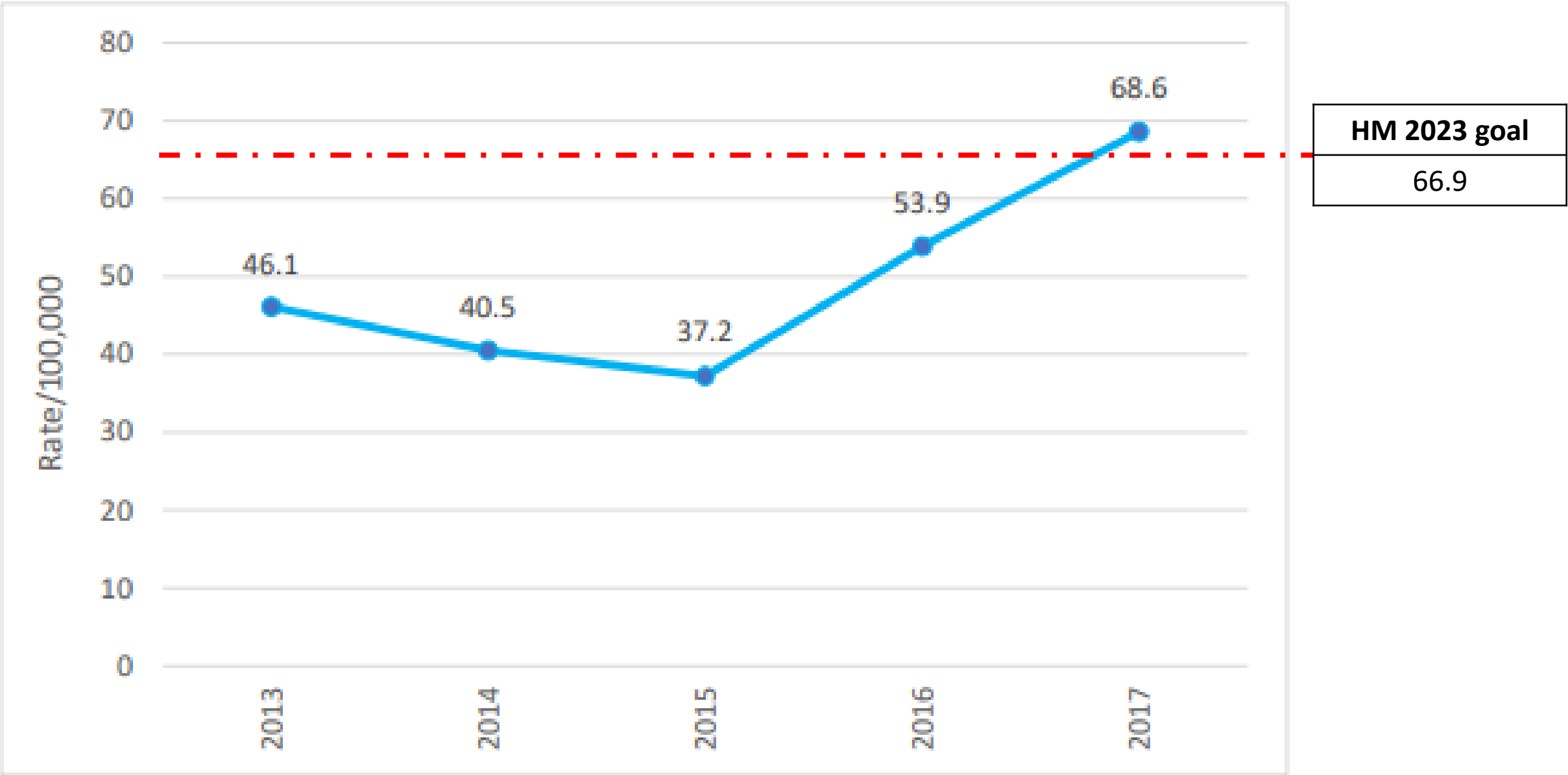
Syphilis Incidence Rates, Montgomery County, 2012-2017

HM 2023 goal
4.9
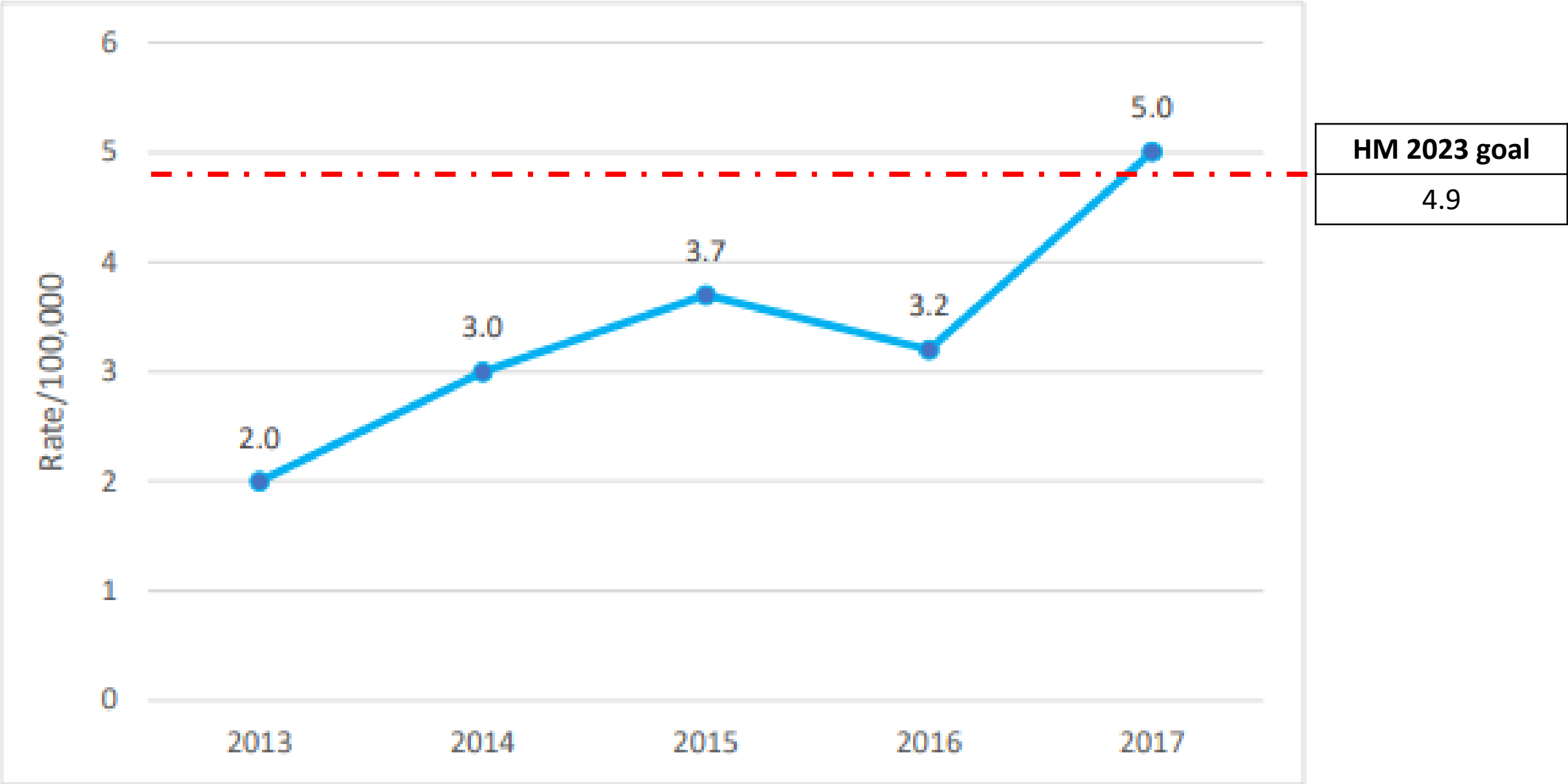
HIV Incidence Rates, Montgomery County, 2012-2017
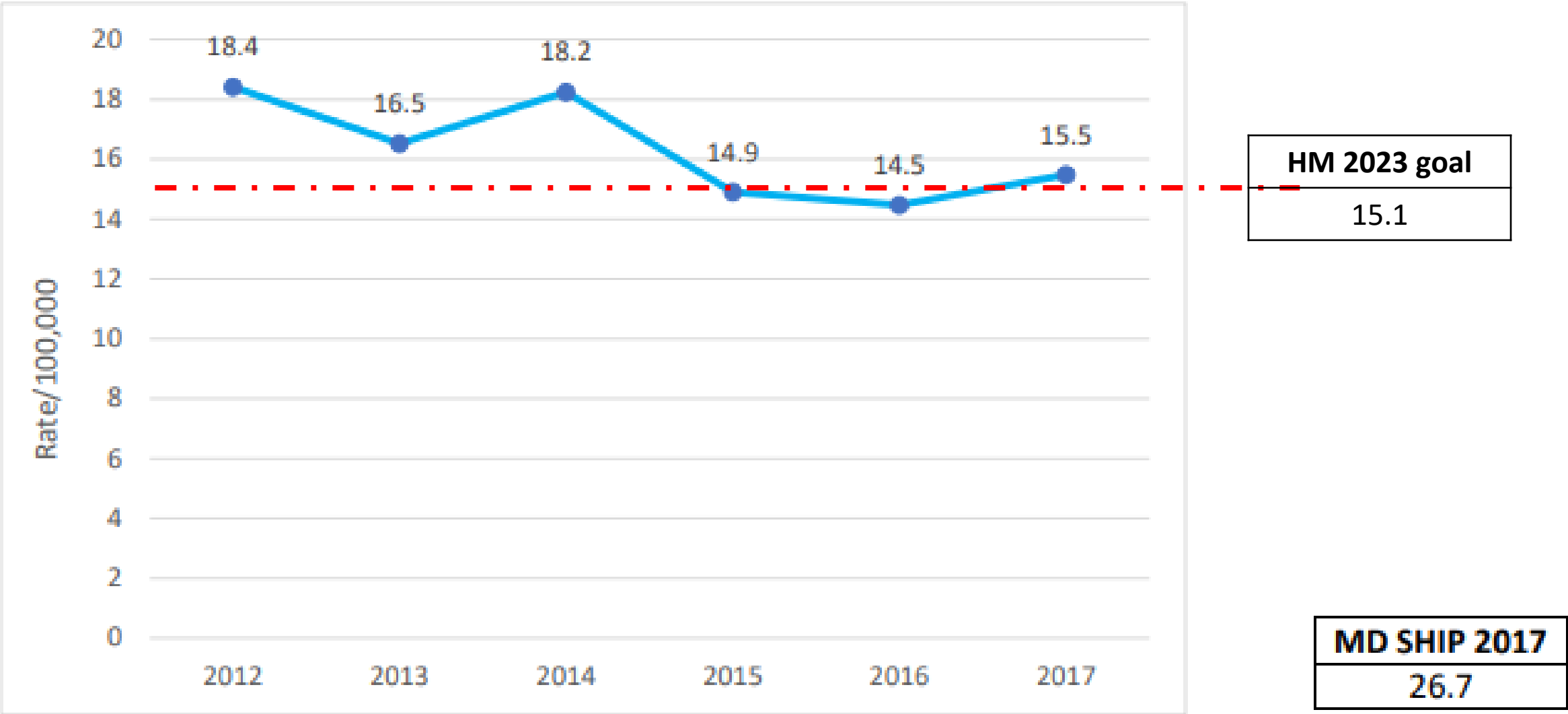
Firearm Hospitalization Age-Adjusted Rates, Montgomery County, 2008-2017
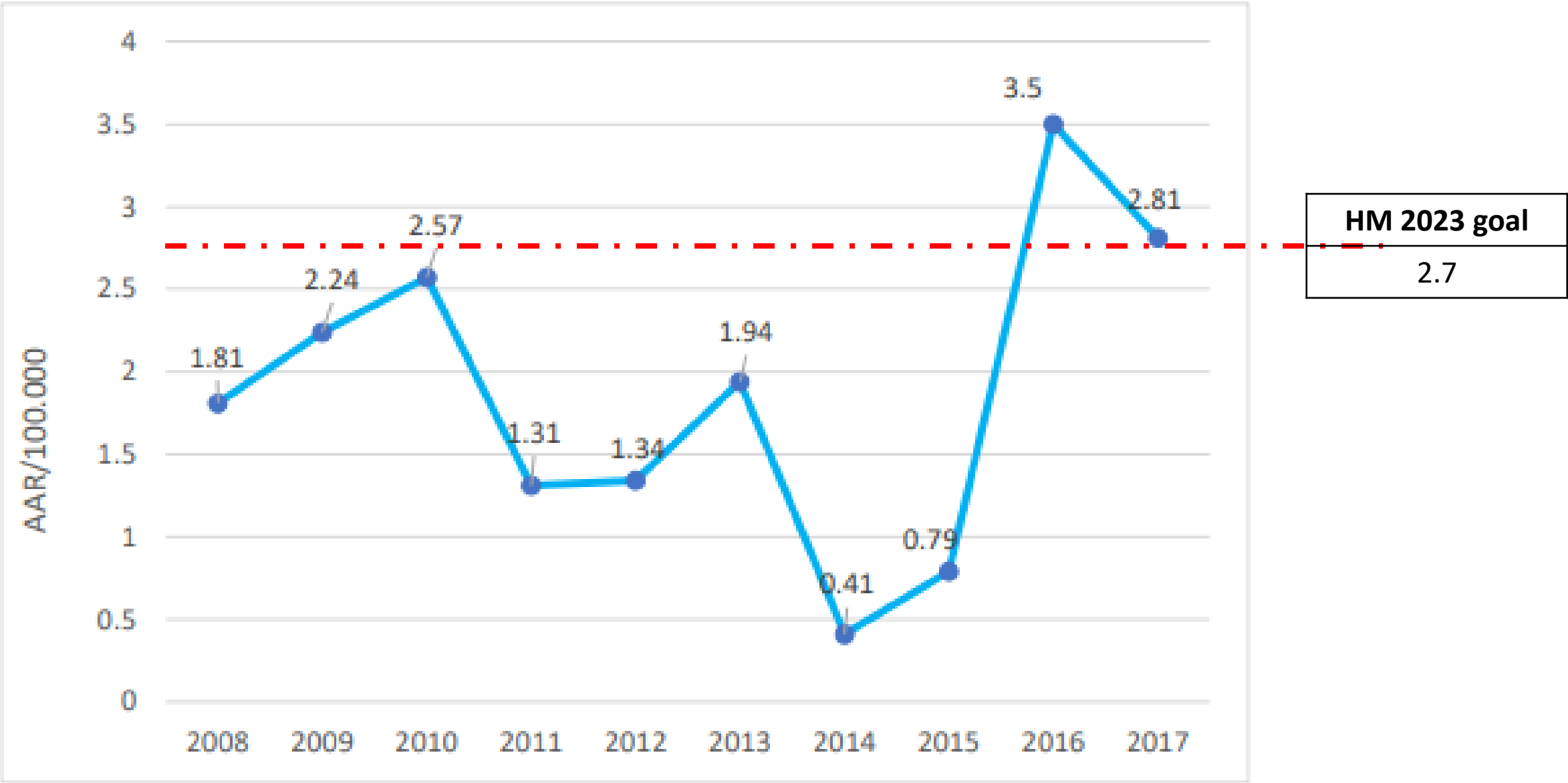
Fall Mortality Age-Adjusted Rates, Montgomery County, 2008-2017

Fall Hospitalization Age-Adjusted Rates, Montgomery County, 2008-2017

Fall Hospitalization Age-Adjusted Rates, Montgomery County, 2008-2017

Data points by year:
- 2008: 327.9
- 2009: 347.8
- 2010: 337.1
- 2011: 319.7
- 2012: 293.2
- 2013: 272.7
- 2014: 286.8
- 2015: 252.7
- 2016: 201.7
- 2017: 216.5

Y-axis: AAR/100.000
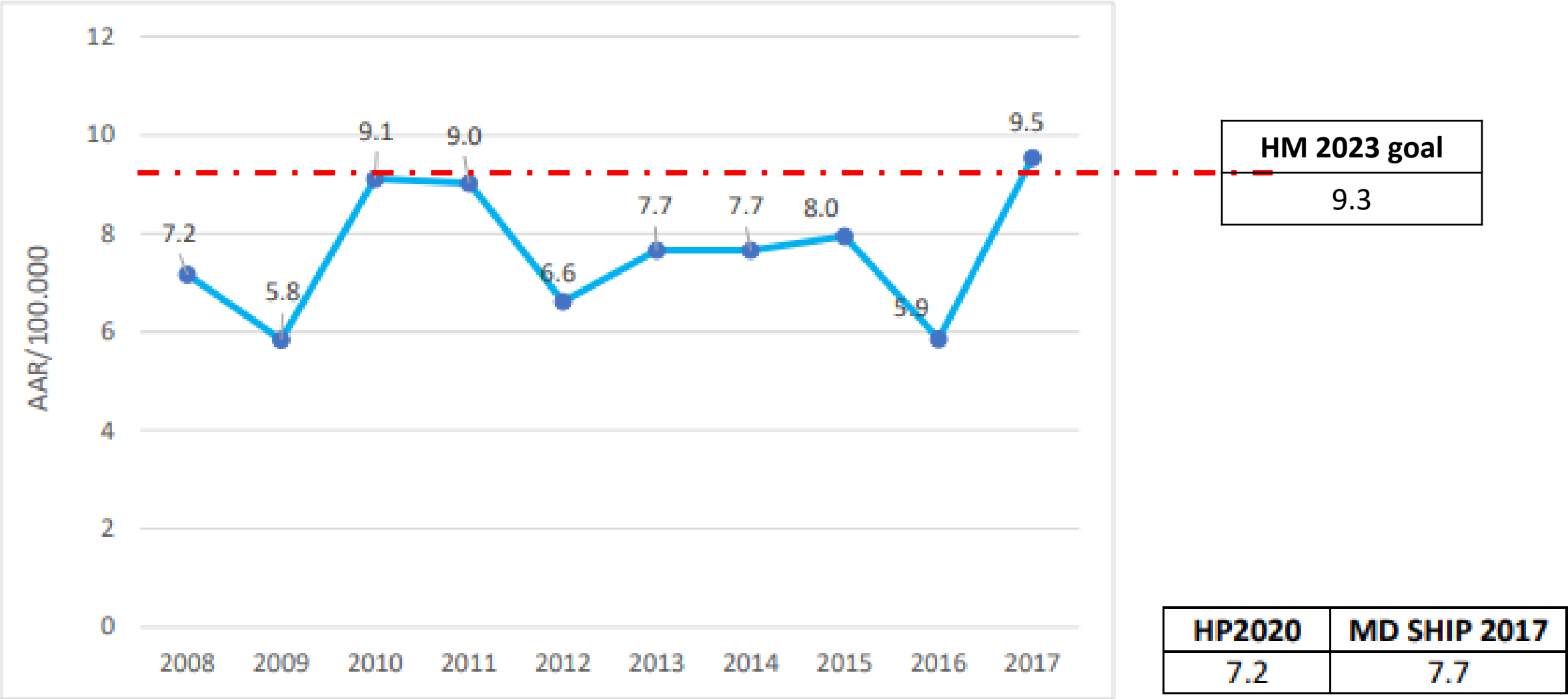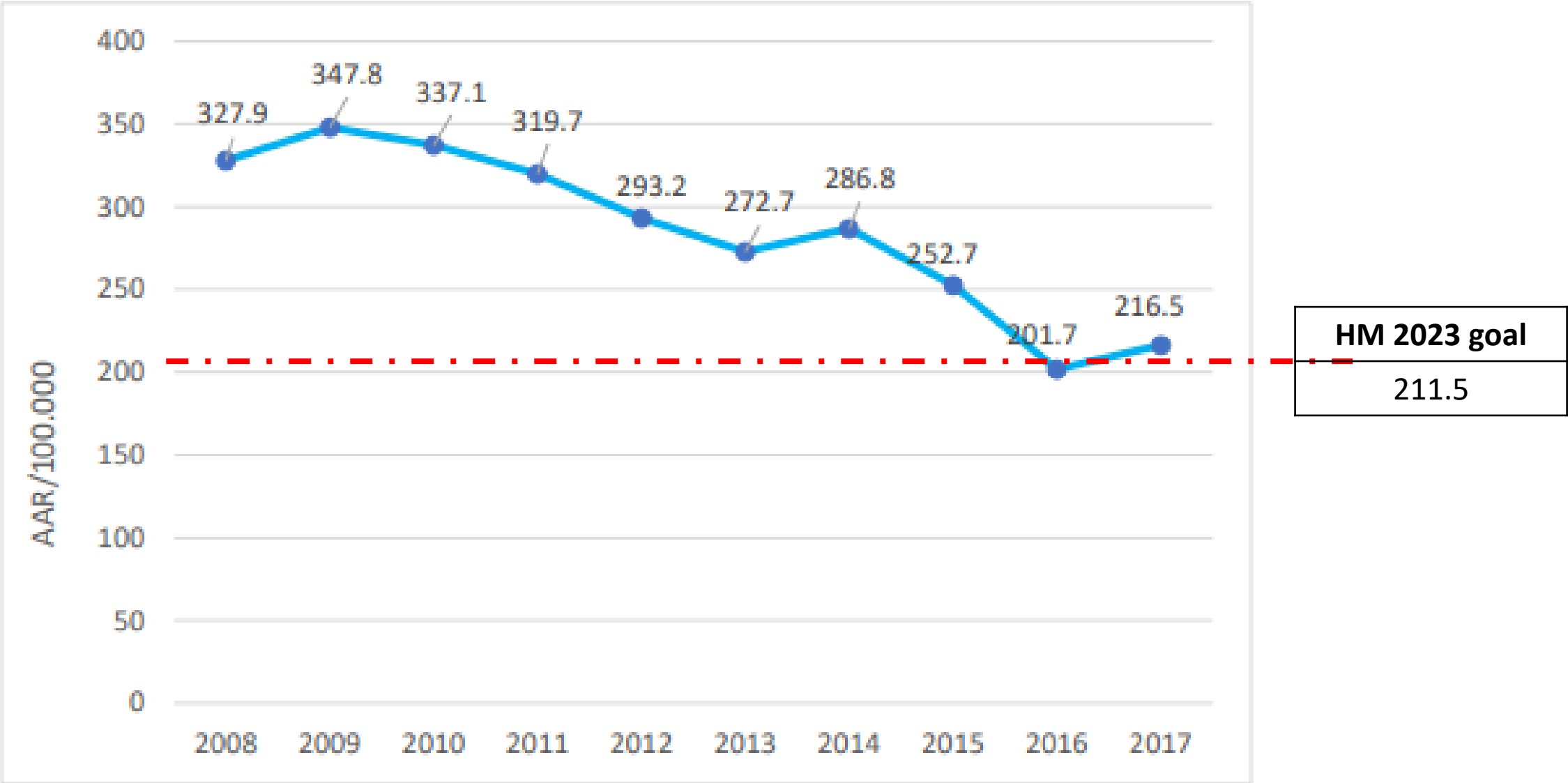
HM 2023 goal
211.5

Fall ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017
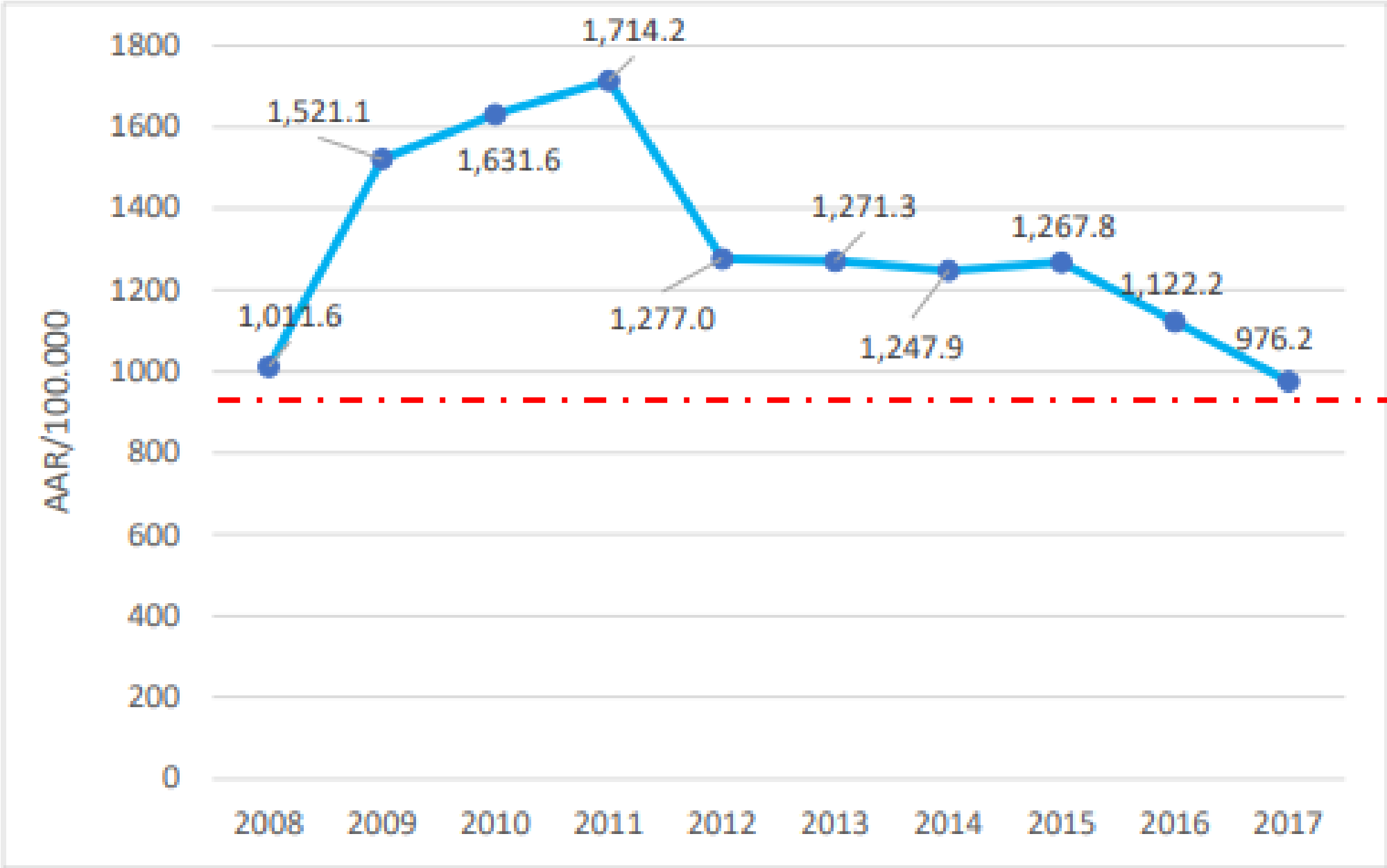
Motor Vehicle ER Visit Age-Adjusted Rates, Montgomery County, 2008-2017

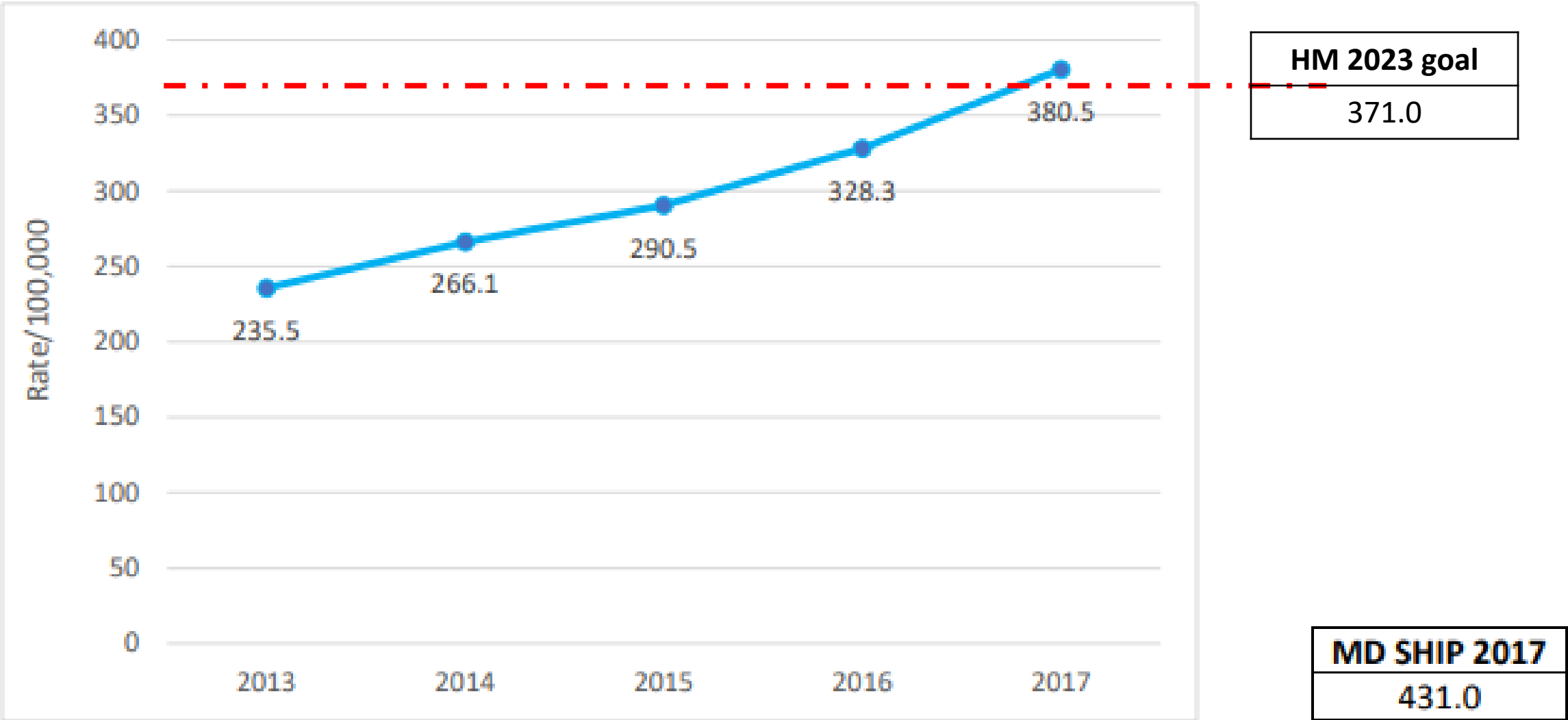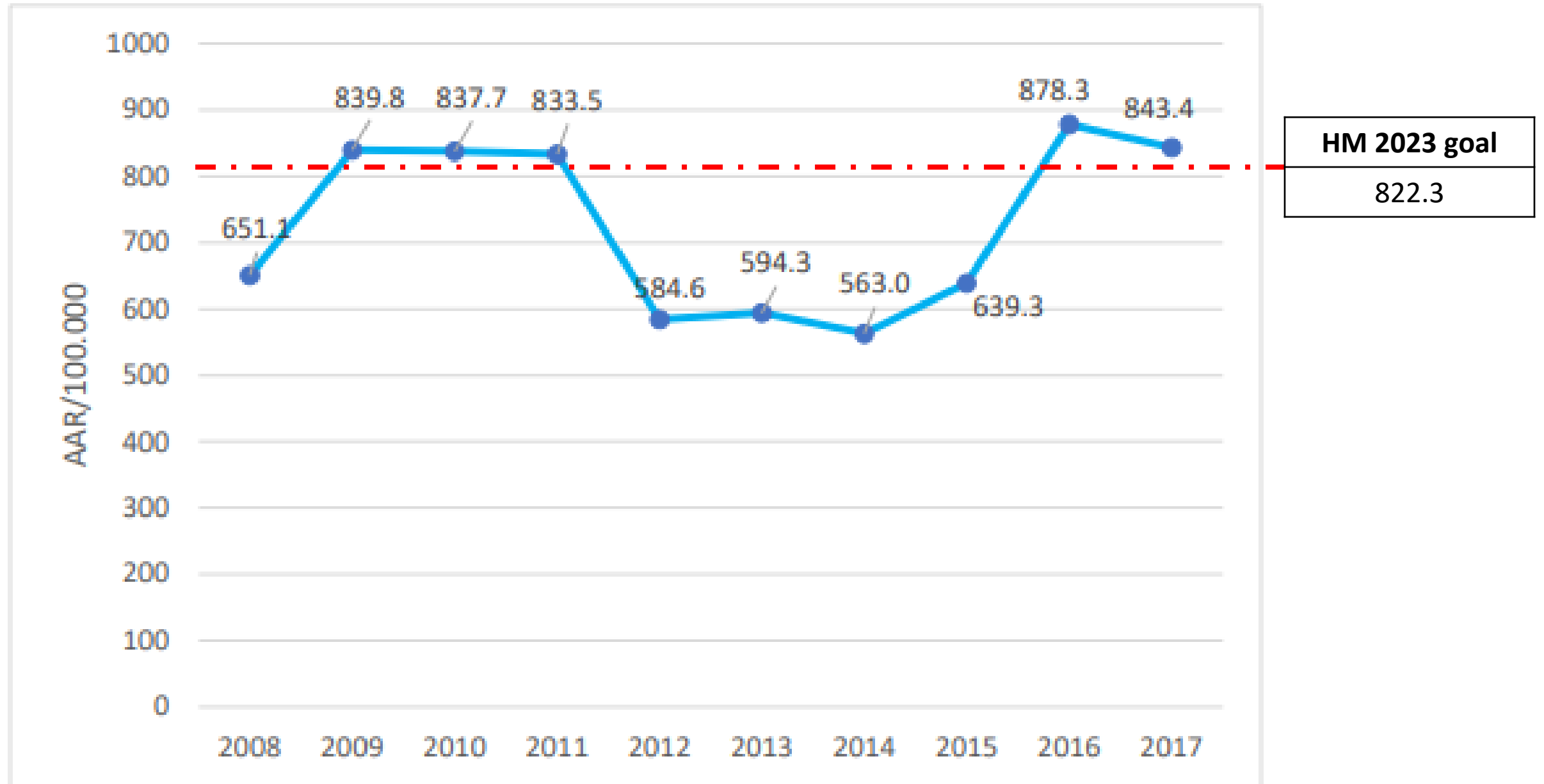| Category	Measures/Indicators	HP2020 Goal	MD SHIP 2017 Goal	MD 2017	MoCo 2017	MoCo 2023 Goal
Maternal and Infant Health	Mothers who received "early and adequte prenatal care"	77.6 Percent	66.90%	92.5%	92.90%	93.3%
	Infant Mortality	6.0 infant deaths per 1,000	6.3/1,000	6.5	4.6	4.5
	Preterm Births	9.4 percent	-	10.5%	9.0%	8.60%
Behavioral health	ER Visits for Mental Health	-	2986.7/100,000	2586.1	1332.7	1299.4
	Suicide (mortality)	10.2 suicides per 100,000	9.0/100,000	9.9	6.2	6
	Drug-Induced Mortality	11.3 deaths per 100,000	12.6/100,000	24.1(2014-16)	12.0	11.7
	Substance abuse ER	-	1327.1	687.94	803.3	723.0
Chronic Disease	**Obesity:**					
	Adults who are overweight or obese	30.5 percent	63.40%	65.0% (2015)	58.7(2016)	55.8%
	Diabetes:					
	ER visits for diabetes	-	172.9/100,000	797.97	443.5	432.4
	Diabetes Mellitus Mortality	66.6 deaths per 100,000	-	19.6	11.1	10.8
	Cardiovascular health:					
	Heart disease mortality	103.4 deaths per 100,000	166.3/100,000	164.6	105.3	100
	High blood pressure prevalence	-	-	32.4%	36%	32.4%
	Heart disease ER Visit	-	-	3007.35	1801.7	1756.7
	Chronic Lower Respiratory Disease Mortality	102.6	-	30.5	13.5	13.2
	Chronic Lower Respiratory Disease ER Visit	56.8	-	1906.3	766	746.9
Infectious Disease	TB	1.0 new case per 100,000	-	3.4 (2018and17)	6.0	5.4
	Incidence of Chlamydia	-	431.0/100,000	552.1	380.5	371.0
	Incidence of Gonorrhea	194.8	-	181.4	68.6	66.9
	Incidence of Syphilis	6.7	-	9.5	5.0	4.9
	Incidence of HIV rate	32855 (count)	26.7/100,000	17.2	15.5	15.1
Injury	Firearm Hospitalization	18.6	-	11.6	2.8	2.7
	Fall Mortality	7.2 deaths per 100,000	7.7/100,000	x	9.5	9.3
	Fall Hopitalization	-	-	354.37	216.5	211.5
	Fall ER	-	-	2101.24	976.2	951.8
	Motor Vehicle ER	694.3	-	1317.85	843.4	822.3

Category	Measures/Indicators	2023 Goals by Gender		
		Overall	Females	Males
Maternal and Infant Health	Mothers who received early prenatal care	94.7%	-	-
	Infant Mortality	5.5	-	-
	Preterm Births	8.6%	-	-
Behavioral Health	ER Visits for Mental Health	1086.6	1098.8	888.9
	Suicide (mortality)	6.8	3.2	10.5
	Drug-Induced Mortality	10.4	6.2	14
	Substance abuse ER	701.5	551	886.1
	Diabetes:			
	ER visits for diabetes	429.3	402.7	400.7
	Diabetes Mellitus Mortality	13.0	9.5	13.9
Chronic Disease	**Cardiovascular health:**			
	Heart disease mortality	116.4	34.8	119.0
	Heart disease ER Visit	1749.5	1619.0	1576.4
	Chronic Lower Respiratory Disease Mortality	16.1	14.7	13.4
	Chronic Lower Respiratory Disease ER Visit	746.7	785.2	689.0
	TB	5.3	4.9	5.5
	Incidence of Chlamydia	275.9	359.4	173.3
Infectious Disease	Incidence of Gonorrhea	49.1	31.6	65.7
	Incidence of Syphilis (pimary and secondary)	2.8	0.2	6.1
	Incidence of HIV rate	14.8	10.3	19.0
	Firearm Hospitalization	2.2	1.0	3.7
	Fall Mortality	7.9	6.6	7.5
Injury	Fall Hopitalization	225.9	174.0	220.8
	Fall ER	1067.5	1067.1	926.9
	Motor Vehicle ER	706.2	754.8	659.3

Category	Measures/Indicators	2023 Goals by Race/Ethnicity				
		Overall	NH-White	NH-Black	Hispanic	Asian
Maternal and Infant Health	Mothers who received early prenatal care	94.7%	97.9%	90.2%	93.2%	96.2%
	Infant Mortality	5.5	3.9	9	4.7	3.2
	Preterm Births	8.6%	7.9%	10.1%	8.4%	8.0%
Behavioral Health	ER Visits for Mental Health	1086.6	1107.3	1583.1	907.4	292.4
	Suicide (mortality)	6.8	10.1	4.8	3.0	4.4
	Drug-Induced Mortality	10.4	15.9	8.6	4.4	3.7
	Substance abuse ER	701.5	646	1037.5	784.3	120.2
Chronic Disease	Diabetes:					
	ER visits for diabetes	429.3	243.9	919.4	576.2	146.2
	Diabetes Mellitus Mortality	13.0	11.3	25.3	10.8	7.6
	Cardiovascular health:					
	Heart disease mortality	116.4	126.5	135.0	61.4	59.6
	Heart disease ER Visit	1749.5	1267.6	3256.6	1575.0	560.1
	Chronic Lower Respiratory Disease Mortality	16.1	19.4	14.4	4.6	4.9
	Chronic Lower Respiratory Disease ER Visit	746.7	489.7	1486.0	803.2	177.2
Infectious Disease	TB	5.3	0.6	11.3	5.2	12.8
	Incidence of Chlamydia	275.9	32.7	199.8	112.2	26.4
	Incidence of Gonorrhea	49.1	7.6	76.1	16.4	6.5
	Incidence of Syphilis (pimary and secondary)	2.8	1.6	6.6	2.3	1.9
	Incidence of HIV rate	14.8	4.2	50.1	14.4	-
Injury	Firearm Hospitalization	2.2	1.1	6.5	1.9	0.2
	Fall Mortality	7.9	8.6	6.2	5.8	4.3
	Fall Hopitalization	225.9	245.2	161.2	147.6	84.6
	Fall ER	1067.5	1097.9	1033.3	1005.5	222.0
	Motor Vehicle ER	706.2	402.6	1277.8	973.3	227.0

Plan of Action

1. Set County-specific goals and measurable objectives to guide evidence-based policies, programs and other actions to improve health and well-being.

2. Provide data that is accurate, timely, accessible, and can drive targeted actions to address regions and populations with poor health or at high risk for poor health in the future.

3. Foster impact through public and private efforts to improve health and well-being for people of all ages and the communities in which they live.

4. Provide tools for the public, programs, policy makers and others to evaluate progress toward improving health and well-being.

5. Share and support the implementation of evidence-based programs and policies that are replicable, scalable and sustainable.

6. Report annually on progress through 2023.

7. Stimulate research and innovation toward meeting HM 2023 goals and highlight critical research, data, and evaluation needs.

8. Facilitate development and availability of affordable means of health promotion, disease prevention, and treatment