



# Statin Therapy for Patients With Cardiovascular Disease and Diabetes (SPC/SPD)

Statin Therapy for Patients with Cardiovascular Disease: Assesses males 21–75 years of age and females 40–75 years of age who have clinical atherosclerotic cardiovascular disease (ASCVD) and who received and adhered to statin therapy.

Statin Therapy for Patients with Diabetes: Assesses adults 40-75 years of age who have diabetes and who do not have clinical ASCVD, who received and adhered to statin therapy.

## WHY IT MATTERS

Cardiovascular disease is the **leading cause of death in the United States**. It is estimated that 92.1 million American adults have one or more types of cardiovascular disease (Benjamin et al., 2017). People with diabetes also have elevated cardiovascular risk, thought to be due in part to elevations in unhealthy cholesterol levels. Having unhealthy cholesterol levels places people at significant risk for developing ASCVD.

**Statins are a class of drugs that lower blood cholesterol.** American College of Cardiology and American Heart Association (ACC/AHA) guidelines state that statins of moderate or high intensity are recommended for adults with established clinical ASCVD. The American Diabetes Association and ACC/AHA guidelines also recommend statins for primary prevention of cardiovascular disease in patients with diabetes, based on age and other risk factors. Guidelines also state that adherence to statins will aid in ASCVD risk reduction in both populations.

## RESULTS

**STATIN THERAPY FOR PATIENTS WITH  
DIABETES—RECEIVED STATIN THERAPY**

	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	61.5	60.1	61.4	72.3	69.6
2016	60.2	58.9	60.2	70.7	67.8

**STATIN THERAPY FOR PATIENTS WITH  
DIABETES—STATIN ADHERENCE 80%**

	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	66.5	67.7	59.0	74.0	75.2
2016	66.5	67.5	59.3	75.3	77.6

**STATIN THERAPY FOR PATIENTS WITH  
CARDIOVASCULAR DISEASE—RECEIVED  
STATIN THERAPY**

	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	80.4	80.9	76.1	79.0	79.1
2016	79.2	79.9	74.7	77.3	76.8

**STATIN THERAPY FOR PATIENTS WITH  
CARDIOVASCULAR DISEASE—STATIN  
ADHERENCE 80%**

	Commercial		Medicaid	Medicare	
Year	HMO	PPO	HMO	HMO	PPO
2017	73.5	75.3	63.0	76.3	77.8
2016	69.8	72.0	60.9	75.5	76.7

## References

1. Benjamin, E.J., et al. 2017. "Heart disease and stroke statistics-2017 update: a report from the American Heart Association." *Circulation* 135(10): e146–e603.  
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