

September 15-17, 2025 New Orleans Statin Therapy in People with HIV: Implications of Recent Guideline Changes at a Ryan White Clinic in New Orleans, Louisiana

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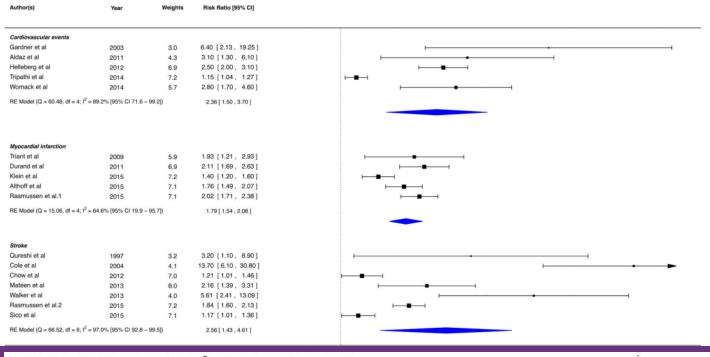










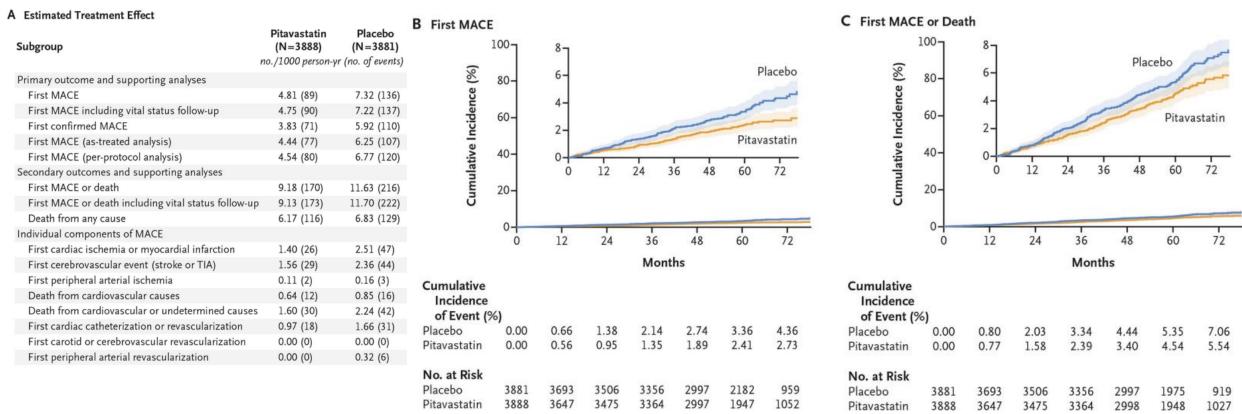


People with HIV (PWH) are two times likely to develop atherosclerotic cardiovascular disease (ASCVD) compared to people without HIV

- ☐ Cardiovascular events
- Myocardial Infarction
- ☐ Stroke



• The REPRIEVE trial demonstrated statin use in PWH was associated with a 36% reduction in major adverse cardiovascular events over the follow-up duration.



Grinspoon et al. N Engl J Med. 2023;389(8):687-699.

- The HHS Panel has updated its recommendations for the use of statin therapy as a primary prevention against atherosclerotic cardiovascular disease (ASCVD) in people with HIV (PWH).
- ➤ Initiating at least **moderate-intensity statin** therapy (AI) is recommended for **PWH aged 40 to 75** with ASCVD risk score **5% to <20%**



Statin Therapy in People With HIV

**Updated:** September 12, 2024 **Reviewed:** September 12, 2024

Recommendations for the Use of Statin Therapy as Primary Prevention of Atherosclerotic Cardiovascular Disease in People With HIV

Statement released: February 27, 2024

Panel on Antiretroviral Guidelines for Adults and Adolescents. 2024.





Most patients at the HIV Outpatient Program (HOP) at the University Medical Center New Orleans (UMCNO) could benefit from initiating statin therapy based on the updated guidelines.









## **Description**

- This study aimed to assess compliance with the updated standard of care recommendations for statin therapy.
- PWH aged 40 to 75 who received care at HOP in the years 2023 and 2024 were evaluated.





### **Lessons Learned**

- There was a statistically significant increase in statin use among PWH aged 40 to 75
  - □ 52% in 2023
    - Increased to 56% in 2024 (p < 0.01)</p>
  - ☐ Significant increase among PWH aged 40-54 (p < 0.01) and 55-64 (p < 0.01)

Age	20	23	20	Total	
	Statin use	No statin	Statin use	No statin	Total
40-54	151 (33%)	307 (67%)	173* (38%)	285 (62%)	458
55-64	268 (64%)	148 (36%)	287* (69%)	129 (31%)	416
65-75	131 (72%)	50 (28%)	128 (71%)	53 (29%)	181
40-75	550 (52%)	505 (48%)	588* (56%)	467 (44%)	1055



Patients with HIV	2023			2024				
aged 40-75	Statin Use		Without Statin		Statin Use		Without Statin	
Sex								
Female	146	(37%)	250	(63%)	163	(41%)	234	(59%)
Transgender female	2	(25%)	6	(75%)	2	(25%)	6	(75%)
Male	328	(41%)	481	(59%)	397*	(51%)	379	(49%)
Ethnicity								
Black	364	(40%)	541	(60%)	419*	(48%)	457	(52%)
White	91	(39%)	143	(61%)	111*	(49%)	116	(51%)
Others	21	(28%)	54	(72%)	32	(42%)	45	(58%)
ASCVD Score								
<5%	40	(20%)	157	(80%)	47	(23%)	157	(77%)
5-20%	161	(40%)	243	(60%)	227*	(55%)	185	(45%)
>20%	68	(62%)	41	(38%)	83	(73%)	31	(27%)
No data	207	(41%)	297	(59%)	205	(46%)	245	(54%)
Past medical history								
Hypertension	389	(49%)	400	(51%)	446	(58%)	329	(42%)
Hyperlipidemia	407	(64%)	231	(36%)	469	(68%)	216	(32%)
Diabetes mellitus	169	(61%)	106	(39%)	209	(67%)	102	(33%)
Smoking history								
Current smoker	148	(37%)	247	(63%)	182*	(46%)	211	(54%)
Former smoker	152	(45%)	187	(55%)	157	(49%)	166	(51%)
Nonsmoker	175	(37%)	292	(63%)	222*	(49%)	230	(51%)

- Furthermore, there was a significant increase among subgroups:
  - ☐ Male sex at birth (10%)
  - ☐ Black (8%)
  - ☐ White (10%)



#### Recommendations

- The study demonstrated a statistical improvement in statin use indicating awareness of the updated guidelines on statin utilization among the medical providers at HOP.
- A clinical quality improvement project will be implemented to improve statin use among PWH.





### **Take Home**

- ✓ While people with HIV are more likely to suffer cardiovascular disease than people without HIV, evidence-based guideline recommends statin use in people with HIV who are at risk.
- ✓ We found a significant increase in statin utilization after guideline recommendation.
- ✓ Additional effort is warranted to promote comprehensive care for people with HIV:
  - ☐ Raise awareness of statin use among providers and clients
  - ☐ Establish a standard operating procedure to recommend statin therapy for those who are at risk
  - ☐ Monitor clinical response and outcomes



**Endymion Parade** 



# Thank you



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