

Financial Relationships With Ineligible Companies (Formerly Described as Commercial Interests by the ACCME) Within the Last 2 Years

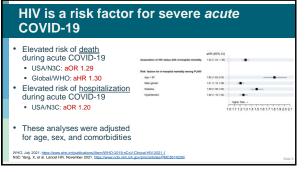
Dr Antar has no relevant financial relationships with ineligible companies to disclose. (Updated May 31, 2023)

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Learning Objectives

After attending this presentation, learners will be able to:

- Identify HIV as a risk factor for long COVID in the USA
- Describe emerging data on neurocognitive outcomes post-COVID in people with HIV

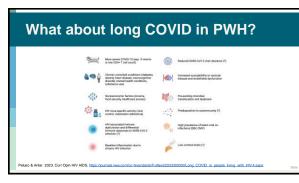


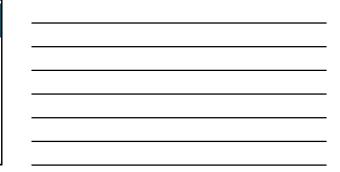
Factors that increase risk for poor outcomes during acute COVID-<u>19 in PWH</u>

- Classical COVID-19 risk factors:
 - Age, diabetes, obesity, kidney disease, COPD, hypertension, male sex, race, ethnicity
- CD4 < 200-350
- CD4 nadir < 200
- In some analyses, unsuppressed HIV viral load

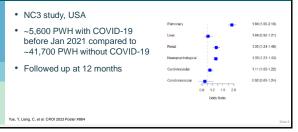
WHO, Jay 2021. <u>https://www.who.init/publications/item/WHO-2018-rCoViC/initaHW/2021.1</u> No2: Yang, X et al. Lancel HW. November 2021. <u>https://www.com/acidatesPWO26514200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614200/</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614706147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO2614706147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et al. JAIDS. April 2022. <u>https://journals.iww.com/acidatesPWO26147047</u> CHICS: Shapiro, A, et

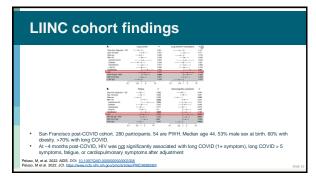
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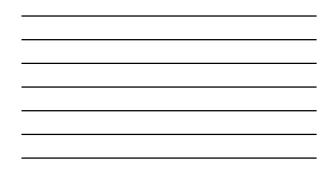


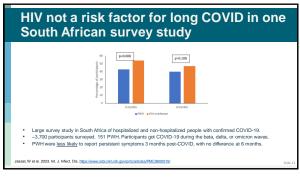


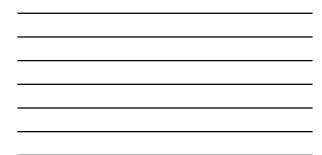


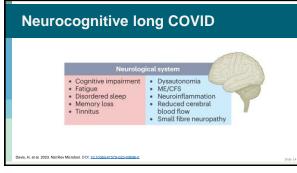
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-		ASC risk		
Outcomes	HIV +	HIV -	OR (CI)	
Mortality	597 (2%)		2.01 (1.85, 2.18)	
Diabetes		33668 (1%)		
Heart Disease		55872 (2%)	2.44 (2.27, 2.62)	
Malignancy	517 (3%)	29644 (1%)	3.15 (2.89, 3.45)	
Thrombosis	699 (3%)	32612 (1%)	3.04 (2.82, 3.28)	
Mental Disorders	681 (9%)	72369 (3%)	2·79 (2·58, 3·02)	
record study – Trif npared to ~28,000				
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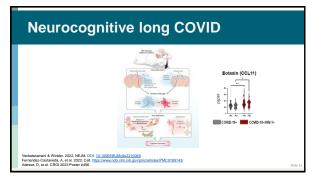


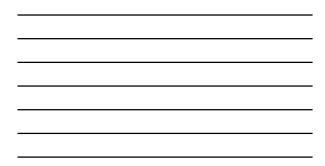






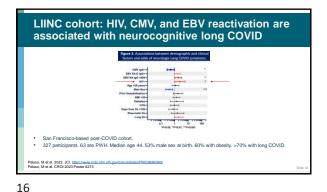
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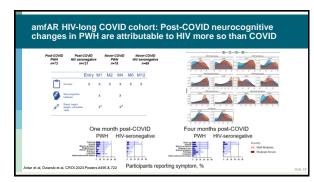


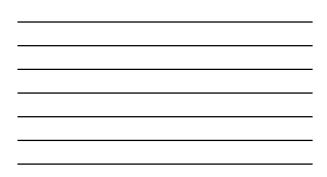
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Summary

- HIV is a risk factor for long COVID in the USA.
- Global data are still emerging.
- Data are conflicting over whether PWH are more likely to experience neurocognitive long COVID.
- Larger studies with HIV-negative and COVID-negative controls are needed to define the role of HIV infection in post-acute COVID outcomes.

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