



# CERTIFICATE OF COMPLETION

THE UNIVERSITY OF WASHINGTON AND NATIONAL HIV CURRICULUM CERTIFY THAT

*Miguel Carlo Y. Panganiban, RMT*

HAS COMPLETED THE FOLLOWING LESSONS IN THE

## SCREENING AND DIAGNOSIS 3<sup>RD</sup> EDITION MODULE

Epidemiology of HIV, HIV Screening Recommendations, HIV Diagnostic Testing, Acute and Recent HIV Infection, and Linkage to HIV Care

A handwritten signature in black ink, reading "David Spach, MD".

David H. Spach, MD  
Editor-in-Chief, National HIV Curriculum  
Professor of Medicine, University of Washington

This certificate shows the progress of **Miguel Carlo Y. Panganiban, RMT**, a Medical Laboratory Scientist, identified by **mpanganiban041@gmail.com** as of June 16, 2025, 10:55 pm. You may validate this certificate or obtain a digital copy by visiting <https://www.hiv.uw.edu/certificate/screening-diagnosis/mpanganiban041@gmail.com/3>

**The following Lessons were completed along with their quizzes with a quiz score of 80% or higher:**

Lessons	Learning Objectives
<b>Epidemiology of HIV</b> Completed April 21, 2025	<ul style="list-style-type: none"> <li>• Explain the difference between HIV prevalence and incidence</li> <li>• Describe the contemporary epidemiology of HIV-1 in the United States</li> <li>• Discuss trends and causes of HIV-related deaths in the United States</li> <li>• Summarize the global HIV epidemiology</li> <li>• Identify populations in the United States at risk for HIV-2</li> </ul>
<b>HIV Screening Recommendations</b> Completed April 21, 2025	<ul style="list-style-type: none"> <li>• Discuss the history of HIV testing in the United States</li> <li>• Explain the rationale for routine HIV screening and identify strategies to overcome potential barriers to routine screening</li> <li>• State Centers for Disease Control and Prevention (CDC) HIV screening recommendations</li> <li>• List indications for repeat HIV testing</li> <li>• Summarize recommendations for providing HIV test results</li> </ul>
<b>HIV Diagnostic Testing</b> Completed April 22, 2025	<ul style="list-style-type: none"> <li>• Compare different types of HIV diagnostic tests and when to use these tests</li> <li>• Describe the timing of when HIV diagnostic tests become positive after HIV infection</li> <li>• Explain updated recommended nomenclature for HIV diagnostic tests</li> <li>• Summarize the CDC/APHL recommended HIV testing algorithm</li> <li>• Discuss interpretation of HIV diagnostic tests and delivery of test results to clients</li> </ul>
<b>Acute and Recent HIV Infection</b> Completed April 22, 2025	<ul style="list-style-type: none"> <li>• State the definition of acute and recent HIV</li> <li>• Describe the immunopathogenesis and clinical manifestations of acute HIV</li> <li>• Discuss the laboratory diagnosis of acute HIV infection</li> <li>• List the potential public health benefits of diagnosing and promptly treating a person with acute or recent HIV infection</li> <li>• Summarize the recommended antiretroviral treatment regimens for persons with acute or recent HIV infection</li> </ul>
<b>Linkage to HIV Care</b> Completed April 22, 2025	<ul style="list-style-type: none"> <li>• State the United States Federal benchmarks and goals for successful linkage to care after HIV diagnosis</li> <li>• List the metrics used to estimate and monitor linkages to care</li> <li>• Summarize current estimated HIV linkage to care data in the United States</li> <li>• Describe strategies for optimizing linkage to care for persons newly diagnosed with HIV in the United States</li> <li>• Identify barriers that impede successful linkage to care after HIV diagnosis</li> </ul>