**To:** Dartmouth Health Southern Region Providers

**From:** Lynn A. Brunelle, PhD, DABCC, Medical Director, Southern Region Laboratories

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**Date:** February 20, 2025

**Re:** Alzheimer’s Disease Evaluation, CSF, Recommended Testing

**Situation**

In the assessment of adults with cognitive impairment, specifically those individuals being evaluated for Alzheimer Disease and other sources of cognitive impairment, we would encourage providers to order the Mayo Clinic Laboratories test, Alzheimer’s Disease Evaluation, CSF (LAB2120) rather than the Athena ADmark® Alzheimer’s Evaluation test.

**Background**

Mayo Clinic Laboratories recommend the use of CSF collection into polypropylene low protein binding (PP LoB) tubes with at least a 50% fill volume to address the reduction observed in Aβ42 concentrations even when PP LoB tubes are used. Mayo Clinic Laboratories observations have been published (Alzheimer’s Dement. 2024;20:3657-58) and are what DHMC is recommending over the Athena ADmark test which does not offer the PP LoB and requires a higher sample volume.

**Assessment**

The laboratory is recommending that providers utilize the Mayo Clinic Laboratories Alzheimer’s Disease Evaluation, CSF (LAB2120) test for increased accuracy of interpretation of Alzheimer’s Disease, lower sample volume requirements and a shorter turnaround time.

**Recommendation**

Providers should expect to see higher quality results, with smaller volume requirements and a shorter TAT when utilizing the Mayo Clinic Laboratories Alzheimer’s Disease Evaluation, CSF test.

**Note:** Please contact your corresponding DH Clinic Lab to obtain the PP LoB tubes required for sample collection.

**For questions or additional information, please contact:**

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