

June 20, 2019

MEMORANDUM

To: System Audit Office
Governor's Office of Budget, Planning and Policy
Legislative Budget Board
Sunset Advisory Commission

From: Brook Syers, Senior Audit Manager, Information Technology

The University of Texas Health Science Center - Houston's Auditing & Advisory Services department conducted an audit of two-factor authentication. The objectives of the audit were to:

- Determine whether administrator/privileged user access controls for the DUO application are adequate and functioning as intended.
- Determine whether availability controls around the DUO application are adequate and functioning as intended.
- Determine whether controls around remote administrator/privileged access to application servers and databases (excluding B2B VPN and Citrix) are adequate and functioning as intended.
- Determine whether 2FA is enabled for remote access to financial/EHR applications (excluding B2B VPN and Citrix).
- Determine whether 2FA is enabled for sensitive data stored in applications hosted outside UTHealth.
- Determine whether 2FA is enabled for remote access to medical devices (excluding B2B VPN and Citrix).
- Determine whether controls around remote 2FA phone numbers change requests are adequate and functioning as intended.

The report contains confidential information that relates to the security of sensitive data and is not subject to the disclosure requirements of the Texas Public Information Act, based on the exception found in Government Code 552.139. Specific results were made to the appropriate management members.