MEMORANDUM

TO: Hays County Commissioners' Court
FROM: Hays County EMS Medical Directors (San Marcos Hays County EMS, Wimberley EMS, Buda Fire Department)
DATE: April 6th, 2020
RE: Guangzhou WondFo Biotech Co., Ltd. SARS-CoV-2 Antibody Test and MDBox

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Attached is a letter outlining our joint conclusions regarding the use of the Guangzhou Wondfo Biotech Co., Ltd. SARS-CoV-2 Antibody Test and the MDBox telemedicine platform proposal for Hays County. This memorandum is a summary of our conclusions.

Concerns regarding the test offered at the MDBox testing site include the following:

- The test evaluates immune response (IgM/IgG antibodies) only and not the virus itself
- The test (Guangzhou Wondfo Biotech Co., Ltd. SARS-CoV-2 Antibody Test) is not FDA approved
- The test is not specific for SARS-CoV-2 virus antibodies and requires confirmatory molecular testing
- The test does not detect viral "shedding"
- The test does not detect virus in the early stages of COVID-19 disease
- CDC guidelines for testing do not include SARS-CoV-2 IgM/IgG testing
- The test has a fee

Although a clear role for the test may eventually emerge, at present there is minimal medical guidance on how antibody tests should be used in response to the COVID-19 pandemic. Determination of the prevalence of the COVID-19 and deriving assumptions regarding herd immunity are proposed uses, but each have their pitfalls.

For now, we feel Hays County is responding appropriately to the COVID-19 pandemic and maintains sufficient testing capabilities for SARS-CoV-2. County-wide options exist for in-person and telemedicine evaluations as well as appropriate mechanisms for testing. Additional testing using the Guangzhou Wondfo Biotech SARS-CoV-2 testing in conjunction with the MDBox platform, as described by the manufacturer, will not provide sufficient additional information needed to assess prevalence and/or risk of ongoing COVID-19 exposure in Hays County.

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