

From: Mike Knipstein <MKnipstein@wilco.org>
Sent: Monday, April 27, 2020 11:20 AM
To: Julie Kiley <jkiley@wilco.org>
Cc: Chris Connealy <chris.connealy@wilco.org>; Jeff Jarvis <jjarvis@wilco.org>
Subject: RE: Request for testing funds...

Julie,

The test is \$47.50 a person. We would have 145 people to test so the total would be \$6,887.50. This would be an optional test for our paramedics. I am guessing most will want the test so the number includes all of our medics. I am not sure if SO would be interested in this testing or not.

Here is the reason for testing.

It will be one additional piece of information available to the Judge and local businesses about when we can safely move to the next phase of re-opening.

We are looking at testing for presence of IgG antibodies, the kind that develop after exposure to SARS-CoV-2 and, most importantly, after acute infection. This is a marker for who has had and recovered from the disease. We will also be conducting symptom surveys on everyone tested. This way, we can determine if they had a "silent infection".

We want to do this for all first responders in the County. This will give us an idea of the extent to which the virus has penetrated into those tasked with keeping our citizens safe. While we don't yet have scientific proof that IgG grants immunity, we do clearly know that lack of IgG doesn't. Therefore, if there are very few of our responders who test positive for prior exposure, we will be pretty susceptible to a future outbreak.

We would use this information along with the PCR testing from AIT that we are doing on symptomatic individuals now. The PCR testing tells us about active infection and is used to isolate that person from others. The antibody test help us understand about how far the virus has spread in this vital community.

We would use this information in conjunction with wide spread public testing for active infections. This will allow us to make a more informed decision about our community's readiness for the next phase of business re-opening. Think about the antibodies in first responders as analogous to hospital bed capacity.

Please let me know if you need additional information.

Thanks,
Mike

Williamson County EMS

Director

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From: Julie Kiley <jkiley@wilco.org>
Sent: Monday, April 27, 2020 7:56 AM