

# **KDHE 3D Nasopharyngeal Swab Print Project**

**April 15, 2020**

Addressing the critical worldwide shortage of Nasopharyngeal (NP) swabs which are used for Coronavirus testing, the KDHE is partnering with Kansas dentists to 3D print NP swabs for the KHEL. This plan will sustain and potentially expand testing for Coronavirus in the state of Kansas. The current plan in place is anticipated to fill KHEL's quota for NP swabs.

The KDHE would like to identify additional dentists in Kansas who have the appropriate set up to print these NP swabs, in the event that demands for these NP swabs are increased.

## **Specific requirements for this project include:**

- A dentist licensed in the state of Kansas who works in a dental practice and has medical manufacturing experience using 3D printers
- Ownership of either a FORMLABS Form 2 or FORMLABS Form 3B printer with Form wash & cure as well as resin tank
- Ability to collaborate with FORMLABS to obtain: a specialized tray to modify printer to print NP swabs (modification is reversible), specialized surgical guide resin for NP swabs and the USF FDA EUA files which require compliance with FORMLABS procedures and protocols
- Ability to autoclave and package swabs

The KDHE appreciates the outpouring of community support and interest over the 3D NP swab project. **Dentists who meet project requirements may contact Dayna Brinckman D.D.S**, CHCEF at email: [Dayna.Brinckman@ks.gov](mailto:Dayna.Brinckman@ks.gov) or by phone: 785-250-7147. Thank you.

