

New Mexico Medical Advisory Team (MAT) Assessment

MAT Workgroup Name:

Clinical Workgroup – Innovation Subgroup

Date:

April 17, 2020

Question or request: What is the feasibility and validity of producing 3-D printed PPE? Are there any groups producing PPE using this technology in NM; and, if not, is this something the State should consider? If so, who could assist in the printing development?

Recommendation/s in bullet form:

- Hospitals should review offers of 3D printed PPE and make an individual determination on whether they are able to accept this PPE in the event they have a shortage during contingency or crisis capacity surge levels (i.e. using materials that are not yet NIOSH certified)
- Large, state-level acquisition of 3D printed PPE should first be scientifically tested to determine what level of filtration it could provide, as well as its ability to handle medical grade sanitation

Assessment: The Innovation Subgroup cannot provide a single answer to this question, as there are several possible variants of PPE design and materials that would impact its feasibility and validity. At this time, the Subgroup believes that if the State is seeking alternative sources of PPE, then a potential next step would be to connect with the work being conducted at the University of New Mexico, both for the development of alternative PPE as well as the testing of alternative PPE/materials which is being done in conjunction with the 3D printing group New Collar Network.

Red flags and concerns: N/A

Contributors:

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- Dan Schlegel (Governor’s Office)

Level of Consensus: Total

Resources/Reference: Masks, Meet Science; Kevin Robinson-Avila - <https://www.abqjournal.com/1440643/masks-meet-science-2.html>