New PPE Product: UCSF Manufactured Face Shield

A new Face Shield product has been developed using 3-D printed technology. This product has been field tested and approved for use by the UCSF Health Safety and Infection Prevention Team. The Face Shield can be worn with either a surgical mask or N-95 respirator as required by Isolation Precautions.

- Face shield consists of 3 parts:
  - Shield with three holes
  - Frame with three tabs to attach the shield
  - Rubber band for securing around health care worker’s head
- All parts easily attach to the frame
  - When donning, confirm that the shield is securely attached to the frame and that the rubber band is intact
  - Inspect the face shield for acceptable use:
    - Acceptable face shields:
      - Circular hole punch
      - Clear/fully transparent shield
    - Unacceptable face shields:
      - Oval hole punch
      - Foggy shield
  - Discard unacceptable shields and obtain a new shield to attach to the frame
- All parts can be cleaned, kept, stored and reused by staff until damaged
- Face shield will be distributed by Materiel Services
  - All three parts will be assembled by Materiel Services prior to delivery to patient care areas
- There are different models and colors available dependent on the manufacture printing process. All versions are approved for use:
  - Model version with brim
  - Model version with band only (no brim)
- Follow the most current Re-use and Extended Use Guidance at
  - Reuse and extended use applies to all parts of the Face shield
  - The manufactured frame is intended for multiple reuses across multiple shifts until broken or does not fit
- In future state, shield and rubber bands will be stocked as a par in all supply rooms where these face shields have been distributed

Information about the production process detail can be found here: [https://www.library.ucsf.edu/news/ucsf-3d-printed-face-shield-project/](https://www.library.ucsf.edu/news/ucsf-3d-printed-face-shield-project/)