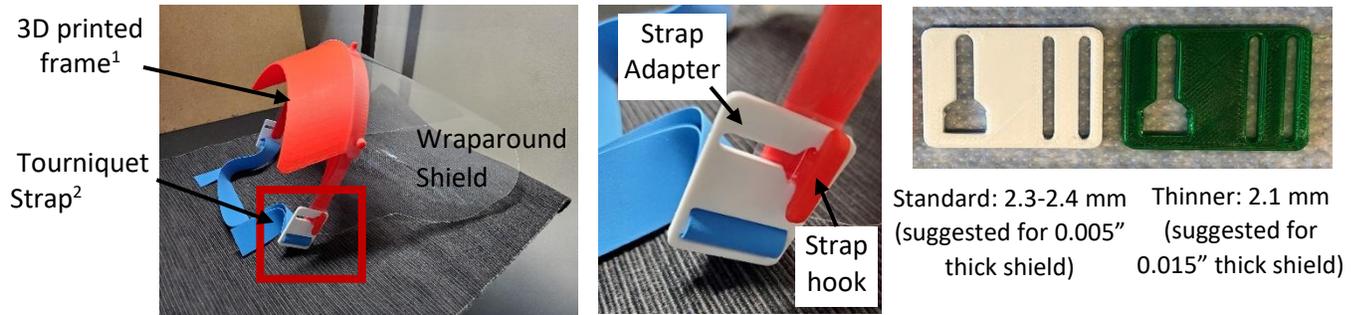


# Instructions for using the WashU Strap Adapter with the 3D printed Protective Face Shield (Prusa, DtM, etc.)

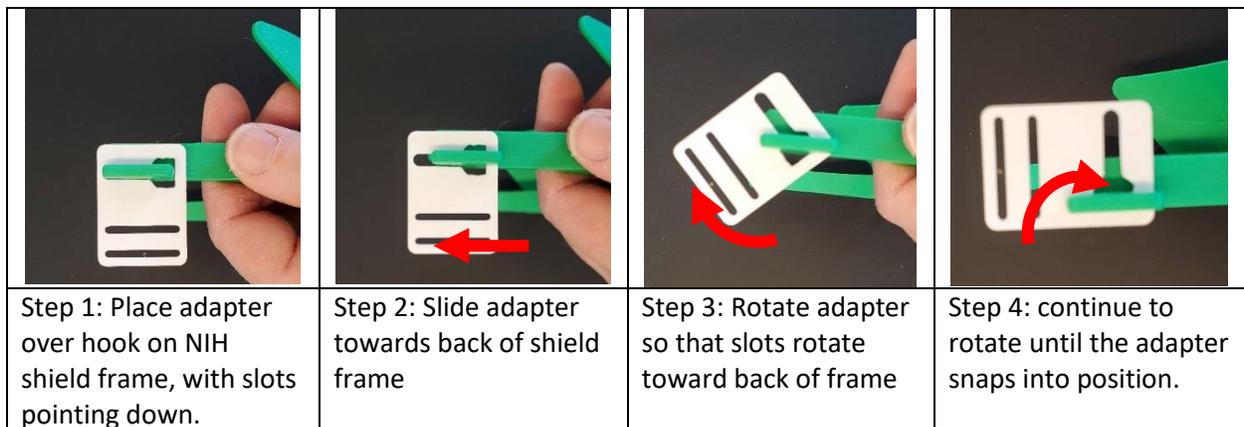
## Background



The strap adapter converts the strap hooks on the back of a 3D printed protective face shield frame<sup>1</sup> to slots. The hooks were originally designed to be used with an elastic strap with slits (i.e. "buttonhole" elastic). The adapter allows the tourniquet strap to be attached and adjusted to a comfortable size for each user without cutting slits in the strap. An existing strap with slits can also be used with the adapter and adjusted for comfort. We have 3D printed adapters of two different thicknesses to accommodate the differences in the 3D printed frames and shield thicknesses. All adapters were printed using PETG filament.

## INSTRUCTIONS FOR ATTACHING THE STRAP ADAPTER TO SHIELD FRAME

These instructions are for the right strap adapter. For the left strap adapter, the process is identical. The slots for the strap should always face toward the bottom of the shield and the wider end of the adapter slot should point toward the front of the shield.



Do NOT force the adapter – if it does not fit, try a thinner adapter. Some 3D printed frames have rough edges or extra material that may prevent the adapter rotating – in this case, you will need to use the strap that was provided or cut slits in a replacement strap.

Insert 18" x 1" tourniquet strap through slots to complete assembly.

1: "NIH Model" frame: <https://3dprint.nih.gov/discover/3dpx-013359>

2: Tourniquet strap shown is Fisher Scientific Part # 19010411 - similar straps are available from other suppliers