

## PPE Usage Equation and Assumptions

### Assumptions:

- Estimate patient volume in the office by using 20% of pre COVID daily volume
- Number of providers (MD, NP, PA)
- Number of non-provider staff interacting clinically with every patient (MAs or others rooming patients)
- Number of non-clinical staff (e.g. receptionists, medical secretaries, billing staff, etc)
- Stockpile should include 1 month supply of all PPE items per these calculations

	GLOVES	MASKS	GOWNS	FACE SHIELDS/EYE PROTECTION (if single-use)*
<b>Providers</b>	2 gloves for 1 provider per patient visit	1 mask for 1 provider per patient visit	1 gown for 1 provider per patient session	1 per provider per day
<b>Non-provider clinical staff</b>	2 gloves for 1 staff member per patient visit	1 mask for 1 staff member per patient visit		
<b>Non-clinical staff</b>	----	1 mask per half-day for each staff member worked if supply permits; otherwise, may use personal fabric mask	----	----

\*If Face shields or eye protection are intended to be disinfected and reused, only one for each provider is needed.

### Example for 30 days supply of Gloves:

Example: Practice normally saw 10 patients daily pre-COVID, expect to see 20% normal volume in-office during surge:

$$.2 \times 10 = 2 \text{ patients / daily}$$

Assumptions: 2 Gloves for each staff member that see each patient.

X = Expected number of patients seen daily (calculation above)

Y = Total number of gloves on hand

Z = Number of staff/clinicians that interact with patient directly

**Is  $Y/(2Z*X)$  greater than or equal to 30?**