

Employ alternative communication

Could some patient interactions become virtual?

- In room phone, cell phone, or tablet

Reduce access needs

Could equipment/materials be moved outside rooms?

- IV pump on extended tubing
- EKG taped to inside door window

Shrink teams

Could tasks be performed by fewer people?

- Provider manages IV pump
- X-ray set up by provider already in room

Standardize

Could isolation precautions be consistently applied?

- Consistent communication on policies across job families
- All clinical encountered scenarios treated similarly



Reduce Demand

Consolidate expertise

Could aerosolizing procedures be performed by specialized, smaller teams?

- Intubation team
- Resuscitation team

Cohort providers

Could providers be co-located?

- Pop-up drive through treatment tents
- COVID-19 positive unit

Cohort patients

Could patients be co-located?

- Patients from same household
- COVID-19 positive unit

Clean + sanitize

Could PPE be recycled?

- Clean eye protection
- Washable gowns
- Used N95 masks collected for later sanitizing

Personal Protective Equipment

Conserving PPE in the

Emergency Department

#GetPPE

Infographic

Reuse + Recycle



Limited reuse

Could PPE serve multiple encounters?

- If not contaminated, store mask in paper bag for later use

Advocate

Could government and industry respond?

- #GetMePPE
- #WeNeedPPE

Secure

Could supply chain be enhanced?

- Centralize supply management

Alternatives

Could other equipment substitute?

- Face shields for eye protection
- P100 for N95 masks, but consider need for fit testing

Extend use

Could PPE be worn continuously?

- If appropriate and not contaminated, keep mask on for next encounter but limit use period to 8-12 hours max

Reach out

Could your community donate?

- Local businesses
- Households

Create

Could alternatives be designed?

- 3D printing for face shields
- Distilleries to make hand sanitizer



Increase Supply

■ Reduce ■ Reuse ■ Increase

version 2.0

Please consult the CDC website for additional excellent and timely information on optimizing PPE supplies: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/ppe-strategy/index.html>

Sources of Information + Disclaimer

* Ideas contained in this infographic were crowdsourced from members of the **Michigan Emergency Department Improvement Collaborative (MEDIC)** during town hall meetings held in response to the COVID-19 pandemic on 3/19/2020 and 3/24/2020.

** MEDIC is a learning collaborative of more than 23

hospital EDs across the state of Michigan.

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MEDIC. Recognize that PPE conservation strategies are context specific and may not apply to all settings. This information reflects comments from individuals at MEDIC EDs. We encourage individuals to reach out to infection control experts at their institutions for site specific recommendations and institutional policies, especially given the rapidly changing response to the COVID-19 pandemic.



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