## **Hospital Operations Toolkit for COVID-19**

## **Infection Prevention and Control:**

## **Elimination and Substitution Controls**

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The <u>hierarchy of controls</u> developed by the National Institute for Occupational Safety and Health offers a framework to protect those in a hospital from exposure to the SARS-CoV-2 virus.

The most effective control – elimination – has been implemented to a limited extent in hospitals responding to the COVID-19 pandemic.

- The expanded use of telehealth may partially eliminate the hazard for some patients by offering an option to receive care without entering a hospital.
- Many hospitals maximized the use of work from home to eliminate the workplace exposure risk of administrative and other staff able to work remotely.

Information on the use of telehealth can be found in the Telehealth/Virtual Medicine section.

- Web-based conferencing can be used to continue necessary meetings, site visits, or training while eliminating the need for staff to gather in person.
- Staff can reduce exposure risks by avoiding occupied public spaces and shared workspaces.
- Changes in staff responsibilities (e.g., not having dietary personnel deliver trays) can reduce exposures.
- Some jurisdictions and health systems have designated specific facilities for the care of COVID-19 patients. While these COVID-19-designated facilities do not eliminate the hazard of COVID-19 in other hospitals, they may reduce some transmission risk.
- Available vaccines continue to show effectiveness in eliminating some cases and decreasing hospitalizations.

The second most effective control – substitution – is not feasible for this situation.

A combination of engineering controls, administrative controls, and personal protective equipment may substantially decrease exposure risks in hospitals.

## Resources Related to Elimination and Substitution Controls

- ASPR TRACIE:
  - Acute Care Delivery at Home
  - o COVID-19 Telemedicine/Virtual Medical Care Resources



- o COVID-19 Vaccine Planning and Considerations
- o COVID-19 Vaccine Resources
- o <u>Designated COVID-19 Hospitals: Case Studies and Lessons Learned</u>
- National Institute for Occupational Safety and Health: <u>Hierarchy of Controls</u>

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