

4-1.3 DECISION NO. D-6

VENTILATION DESIGN FOR THE INSTALLATION OF TUBERCULOSIS (TB) CONTROL BOOTH

Issue:

Two articles published in the Joint Commission on Accreditation of Healthcare Organizations, 1993 PTSM series no. 1, Controlling Transmission of Tuberculosis (TB) in Health Care Facilities: "Ventilation, Filtration, and Ultraviolet Air Disinfection and Improving Hospital Ventilation Systems for TB Infection Control," were brought to HFAC for review and evaluation. The author's comments offer excellent guidance on ventilation system design to minimize the risks of TB transmission in existing health care facilities.

Decision:

The HFAC approved the following criteria for TB control in Indian Health Service health care facilities:

- Procedures such as administration of aerosolized pentamidine and sputum induction should be performed in a **self-contained booth equipped with a minimum on 10 air changes per hour (ACH) and high efficiency particulate air (HEPA) filters, with a time interval of 45 minutes between patient treatments.** The number of units in a facility will be determined by the hospital infection control committee based on facility needs, and should be located in the treatment room.

These design criteria will be effective immediately.

Reference:

These design criteria will be incorporated in the updated Health Facilities Planning Manual, Volume 2, Environmental and Room Layout Criteria.

Adopted by HFAC on June 2, 1993.

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