Four air purifiers (AP) equipped with high efficiency particulate air (HEPA) filters installed in a closed high school classroom.

In schools and other enclosed spaces, mobile air purifiers are a potential solution for reducing the risk of airborne COVID-19 virus transmission.

Within 30 minutes, >90% reduction in aerosol concentration.

This reduction was homogeneous across the classroom.

Multiple smaller HEPA-AP units could be more advantageous than one large unit for achieving high air exchange rates and homogeneous mixing throughout the room.

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