



SEVERE ACUTE RESPIRATORY SYNDROME

Public Health Guidance for Community-Level Preparedness and Response to Severe Acute Respiratory Syndrome (SARS) Version 2

Supplement D: Community Containment Measures, Including Non-Hospital Isolation and Quarantine

Appendix D4

Threshold Determinants for the Use of Community Containment Measures

Parameter	Variable
Epidemiologic parameters of the outbreak	Absolute number of cases
	Rate of incident cases
	Number of hospitalized cases
	Number and percent of cases with no identified epidemiologic link
	Morbidity (including disease severity) and mortality
	Number of contacts under surveillance and/or quarantine
Healthcare resources	Hospital/facility bed capacity
	Isolation/negative pressure room capacity
	Staff resources
	Patient/staff ratio
	Number of isolated or quarantined staff
	Availability of specifically trained specialists and ancillary staff
Equipment and supplies	Availability of ventilators
	Availability of other respiratory equipment
	Availability of personal protective equipment and other measures
	Availability of therapeutic medications (SARS and non-SARS specific)
Public health resources	Investigator to case and contact ratios
	Number of contacts under active surveillance
	Number of contacts under quarantine
	Ability to rapidly trace contacts (number of untraced/interviewed contacts)
	Ability to implement and monitor quarantine (staff to contact ratio)
	Ability to provide essential services (food, water, etc.)
Community cooperation, mobility and compliance	Degree of compliance with voluntary individual isolation

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	Degree of compliance with active surveillance and voluntary individual quarantine
	Degree of movement out of the community
	Degree of compliance with community-containment measures

For more information, visit www.cdc.gov/ncidod/sars or call the CDC public response hotline at (888) 246-2675 (English), (888) 246-2857 (Español), or (866) 874-2646 (TTY)