

Supplementary Online Content

Gostin LO, Cohen IG, Koplan JP. Universal masking in the United States: the role of mandates, health education, and the CDC. *JAMA*. doi:10.1001/jama.2020.15271

eTable. Statewide Mandates for Face Coverings in Response to COVID-19 as of July 27, 2020

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable. Statewide Mandates for Face Coverings in Response to COVID-19
As of July 27, 2020**

(N/A = not applicable or not specifically addressed)

State	Type of Mandate (Title or Number)	Date of Enactment/Entry Into Force	Mandates for the General Public	Mandates for Individuals Patronizing Specific Types of Businesses	Mandates for Employers and/or Employees
AL	Order of the State Health Officer Suspending Certain Public Gatherings (Safer at Home Order)	As amended on May 21, 2020, and on June 30, 2020. Currently set to expire on July 31, 2020.	Individuals when in public and in close contact with others. Also applies to players, coaches, and officials attending athletic competitions, unless they are directly participating in athletic activity.	N/A	Employees of close-contact service providers (barber shops, hair salons, nail salons, etc.), athletic facilities (commercial fitness centers, gyms, etc.), entertainment venues, educational institutions, child care facilities, summer camps, restaurants, and bars.
AR	Executive Order 20-43	July 15, 2020. Effective July 20, 2020.	Individuals over the age of 10 when in public and in the presence of non-household members, if social distancing is not possible.	N/A	N/A
CA	Department of Public Health's Guidance on the Use of Face Masks	Issued on June 18, 2020. Revised on June 29, 2020.	<p>Indoors: Inside or while waiting to enter any public space. While using or waiting for public transportation, including taxis and ride sharing services.</p> <p>Outdoors: In a public space where non-household members are present and social distancing is not possible.</p> <p>Applicable to: All people,</p>	All persons while obtaining healthcare services in any location.	All persons engaging in work when interacting in person with any member of the public, when in a space visited by members of the public, in any space where food is prepared or distributed, when walking through common areas indoors (hallways, stairways, elevators), and in any room or enclosed area where non-household members are present and social distancing is not possible. Persons driving or operating any public transportation vehicle or ride-

			including children, with certain exceptions.		sharing vehicle when passengers are present.
CO	Executive Order D 2020 138	Issued on July 16, 2020, with immediate effect.	Individuals over the age of 10 when entering or moving within any public indoor space or when using or waiting for any mass transportation service, including taxis and ride sharing services.	N/A	N/A
CT	Executive Order 7BB	Issued on April 17, 2020. Effective on April 20, 2020.	Any person over the age of two when in a public space in which social distancing is not possible or when using or waiting for public transportation, including taxis and ride sharing services.	N/A	Instructs the Commissioner of Economic and Community Development to issue updated Safe Workplace Rules concerning the use of masks or face coverings in specific workplace settings.
CT	Department of Economic and Community Development's Safe Workplace Rules	Dates of issue and effectiveness vary.	N/A	Customers patronizing businesses providing essential services. Customers patronizing businesses in specific sectors (rules vary depending on the type of business).	Persons employed by essential businesses while at work. Persons employed by businesses in specific sectors (rules vary depending on the type of business).
DE	Thirteenth Modification of the Declaration of a State of Emergency for the State of Delaware Due to a Public Health Threat	Issued on April 25, 2020. Effective May 1, 2020.	<p>Indoors: When patronizing any business and when using any form of public transportation, including taxis and ride sharing services.</p> <p>Outdoors: In public spaces where non-household members are present, if social distancing is not possible.</p> <p>Applicable to: Individuals over the age of 12, with exceptions.</p>	Individuals obtaining services at a healthcare provider.	Employees of businesses while working in areas that are open to the general public or in common areas where they are likely to come within six feet of other employees. All restaurant employees who interact with customers, including delivery personnel.

DC	Mayor's Order 2020-066	Issued on May 13, 2020. Effective May 16, 2020.	Individuals conducting essential business (other than working from home) or traveling within the District, including those using public transportation, if social distancing is not possible.	Individuals patronizing essential businesses, if social distancing is not possible.	Employees and independent contractors of essential businesses.
DC	Mayor's Order 2020-080	Issued on July 22, 2020, with immediate effect. Clarifies & supplements Mayor's Order 2020-066.	<p>Indoors: When inside a business, an office building or in other establishments open to the public, including the common areas of residential buildings.</p> <p>Outdoors: If likely to come into contact with other people for more than a fleeting amount of time.</p> <p>Applicable to: All persons over the age of two, with certain exceptions.</p>	Businesses, office buildings, and other establishments open to the public shall exclude or eject persons who are not wearing masks. (No distinction made between customers or members of the public and employees.)	Employers must provide masks for all employees. Businesses, office buildings, and other establishments open to the public shall exclude or eject persons who are not wearing masks. (No distinction made between employees and customers or members of the public.)
HI	Fifth Supplementary Proclamation Declaring a State of Emergency in Support of Ongoing State and County Responses to COVID-19	Issued on April 16, 2020.	All customers of essential businesses and operations while at or waiting to enter the premises of such a business or operation.		All employees of essential businesses and operations who have any contact with customers or contact with goods for purchase by customers.
IL	Executive Order 2020-43	Issued on June 26, 2020.	Individuals over the age of two when in a public space (indoor	N/A However, individuals patronizing restaurants and bars, fitness and	Persons employed by retail stores when unable to social distance from

		Replaced the following prior executive orders: 2020-38 (issued on May 29) and 2020-32 (issued on April 30, 2020).	or outdoor) where social distancing is not possible.	exercise gyms, outdoor recreation facilities, and places of public amusement are subject to rules established by the Illinois Department of Commerce and Economic Opportunity.	customers or other employees. Persons employed by manufacturers when unable to social distance from other employees. Persons employed in office buildings when unable to social distance from other employees. Note: Restaurants and bars, fitness and exercise gyms, outdoor recreation facilities, and places of public amusement are subject to rules established by the Illinois Department of Commerce and Economic Opportunity.
IN	Executive Order 20-26 (Roadmap to Reopen Indiana for Hoosiers, Businesses, and State Government)	Issued on May 1, 2020, with immediate effect.	N/A	N/A	All employees of retail businesses, restaurants, and bars must wear face coverings. All employers must develop a plan to implement measures to protect employees, customers, clients, and members of the public, which may include the use of face coverings if social distancing is not possible.
IN	Executive Order 20-37 (Face Covering Requirement)	Issued on July, 24, 2020. Effective on July 27, 2020.	Indoors: When inside a business, a public building or other indoor place that is open to the public. When using or waiting for any form of public transportation, including taxis and ride sharing services. Outdoors: In public spaces, if it is not possible to maintain social distancing among people who are not members of the same household.	N/A	N/A

			Applicable to: Individuals over the age of two, with certain exceptions.		
KS	Executive Order 20-52	Issued on July 2, 2020. Effective on July 3, 2020.	<p>Indoors: Inside or waiting in line to enter any public space. While riding or waiting for any form of public transportation, including taxis and ride-sharing services.</p> <p>Outdoors: In a public space where non-household members are present and social distancing is not possible.</p> <p>Applicable to: Any person, with certain exceptions.</p>	Any person obtaining services from the healthcare sector.	Employees of any business when working in any space visited by members of the public; when working in a space where food is prepared or packaged for sale or distribution to others; when in a workplace walking through common areas; when customers, visitors or members of the public are present in a facility managed by the business; when in an enclosed space where non-household members are present and social distancing is not possible.
KY	Executive Order 2020-586	Issued on July 9, 2020. Effective on July 10, 2020.	<p>Indoors: Any public space where social distancing is not possible. While riding or waiting for any form of public transportation, including taxis and ride-sharing services.</p> <p>Outdoors: In public spaces where non-household members are present and social distancing is not possible.</p> <p>Applicable to: Any person over the age of five, with certain exceptions.</p>	Any person over the age of five while inside or waiting to enter any retail establishment, grocery store, pharmacy, hair salon/barbershop, nail salon/spa, tattoo parlor, child care facility, restaurant or bar (unless seated and consuming food or beverages), or healthcare setting.	N/A
KY	Reopening Kentucky	Dates of issue and	N/A	Customers patronizing businesses in specific sectors (rules vary depending on the type of business).	Persons employed by businesses in specific sectors (rules vary depending on the type of business).

	Healthy at Work Guidelines	effectiveness vary.			
LA	Executive Department Proclamation Number 90 JBE 2020	Issued on July 11, 2020. Effective on July 13, 2020.	Every individual over the age of seven when inside a commercial establishment or any other building or space open to the public, whether indoor or outdoor, including public and commercial modes of transportation. (Parishes with low rates of transmission for a two-week period may opt out.)	All persons who enter the premises of a business or organization or governmental entity who are not subject to an exemption. No distinction made between customers and employees. (Parishes with low rates of transmission for a two-week period may opt out.)	All persons who enter the premises of a business or organization or governmental entity who are not subject to an exemption. No distinction made between employees and customers. (Parishes with low rates of transmission for a two-week period may opt out.)
ME	Executive Order No. 49 FY 19/20 (An Order to Stay Safer at Home)	Issued on April 29, 2020. Effective on May 1, 2020.	Individuals in public settings where social distancing is not possible. Note: "Individual" is defined broadly to include any person, irrespective of whether the person is an employee, customer, vendor, invitee or other. "Public setting" is defined broadly to include any indoor space accessible to the public, any outdoor space in which the public typically gathers in smaller areas, and public transportation (including taxis and ride-sharing services).	N/A	N/A
ME	Executive Order No. 2 FY 20/21 (An Order Strengthening the Use of Face Coverings)	Issued on July 8, 2020. Effective on July 8, 2020.	Municipalities authorized to enforce the use of face coverings in outdoor public spaces where individuals gather in groups and social distancing is not possible.	Customers of the following businesses: retail stores with over 50,000 square feet of shopping space, eating establishments, bars, tasting rooms, and lodging operations and accommodations in specified counties. Businesses may	N/A

				deny entry or service to customers who refuse to comply.	
MD	Executive Order No. 20-04-15-01	Issued on April 15, 2020. Effective on April 18, 2020.	All riders of any public transportation, including taxis and ride-sharing services.	All customers over the age of nine when inside the enclosed area of a retail establishment (as defined in the order) or a food service establishment (as defined in the order).	Employees of retail establishments working in areas open to the general public and areas in which interactions with other staff are likely. Employees of food service establishments who interact with customers. All operators of any public transportation, unless they are in a separate compartment that is off limits to riders.
MA	COVID-19 Order No. 31 (Order Requiring Face Coverings in Public Places Where Social Distancing Is Not Possible)	Issued on May 1, 2020. Effective on May 6, 2020.	Any persons over the age of two who are in a place open to the public (indoor or outdoor) where social distancing is not possible. All persons waiting for or using public mass transit, including taxis and ride-sharing services.	All persons inside grocery stores, pharmacies, and other retail stores. (No distinction made between customers and employees.) Businesses may refuse entry to customers who are not exempt and do not comply.	All persons inside grocery stores, pharmacies, and other retail stores. (No distinction made between employees and customers.) All persons providing public mass transit, including taxis and ride-sharing services.
MI	Executive Order 2020-147	Issued on July 10, 2020. Effective for individuals on July 10, 2020. Effective for businesses on July 13, 2020.	Indoors: In any public space. When riding or waiting for public transportation, including taxis and ride sharing services. Outdoors: When non-household members are present and social distancing is not possible. Applicable to: Any individual over the age of five, with certain exceptions.	No business that is open to the public may allow a customer to enter its premises unless the customer is wearing a mask or is exempt from doing so.	N/A

MN	Emergency Executive Order 20-81 (Requiring Minnesotans to Wear a Face Covering in Certain Settings to Prevent the Spread of COVID-19)	Issued on July 22, 2020, with immediate effect.	<p>Indoors: When inside or waiting to enter a business or other public space. When using public transportation, including taxis and rides sharing services.</p> <p>Outdoors: Face coverings strongly encouraged, but not required, in outdoor spaces where social distancing is not possible.</p> <p>Applicable to: Individuals over the age of five, with certain exceptions.</p>	N/A	Businesses must update their COVID-19 Preparedness Plans to require employees, customers, and visitors to wear face coverings on their premises. Employees working outdoors must wear face coverings when social distancing is not possible. Special rules and guidelines apply to child care facilities, K-12 schools, and institutions of higher education.
MT	Directive Implementing Executive Orders 2-2020 and 3-2020 and Providing for the Mandatory Use of Face Coverings in Certain Settings	Issued on July 15, 2020.	<p>Indoors: All persons entering or remaining in any space open to the public maintained by a business or government entity.</p> <p>Outdoors: All persons attending an organized outdoor activity at which social distancing is not possible and all persons attending an outdoor gathering of 50 or more people at which social distancing is not possible.</p> <p>Applicable only in counties with four or more active cases of COVID-19.</p>	N/A	<p>Employees, contractors, volunteers, and customers when entering or remaining in any indoor space that is open to the public and maintained by a business or government entity.</p> <p>Applicable only in counties with four or more active cases of COVID-19.</p>
NV	Declaration of Emergency Directive 024	Issued on June 24, 2020.	Individuals over the age of nine when in a public space, whether that space is publicly	N/A	N/A

		Effective on June 25, 2020.	or privately owned, where the public has access to that space by right or invitation, express or implied, whether by payment of money or not.		
NJ	Executive Order 122	Issued on April 8, 2020. Effective on April 10, 2020.	N/A	Customers over the age of two on the premises of essential retail businesses. Visitors to manufacturing businesses, warehousing businesses and essential construction businesses while on the premises of the business.	Employees of essential retail businesses, manufacturing businesses, warehousing businesses, and essential construction businesses while at work.
NJ	Executive Order 142	Issued on May 13, 2020. Effective on May 18, 2020.	N/A	Visitors to all constructions businesses and projects (essential or non-essential) while on site.	Employees of all construction businesses (essential and non-essential) while at work. Employees of non-essential retail businesses while at work when interacting customers or other employees.
NJ	Executive Order 152	Issued on June 9, 2020, with immediate effect.	Indoors: Any indoor gathering on public or private property. Outdoors: Any outdoor gathering, on public or private property, when social distancing is not possible. Applicable to: Individuals over the age of two, with certain exceptions.	N/A	N/A
NJ	Executive Order 154	Issued on June 13, 2020, with immediate effect.	N/A	Customers of personal care services (barbershops, hair salons, nails salons, etc.)	Employees of personal care services (barbershops, hair salons, nails salons, etc.) while at work.

NJ	Executive Order 157	Issued on June 25, 2020, with immediate effect.	N/A	Customers of all indoor or outdoor retail establishments. Customers of indoor dining facilities, indoor recreational facilities, and indoor gyms and fitness centers.	Employees of all indoor or outdoor retail establishments. Employees of indoor dining facilities, indoor recreational facilities, and indoor gyms and fitness centers.
NJ	Executive Order No. 163	Issued on July 8, 2020, with immediate effect.	<p>Indoors: Individuals in indoor spaces accessible to members of the public, including public transportation.</p> <p>Outdoors: Individuals (other than members of the same household and romantic partners) in outdoor public spaces when social distancing is not possible. Applicable to those engaging in intensely aerobic or anaerobic activities.</p>	N/A	Indoor commercial spaces not open to the general public, such as office buildings, where employees and other individuals are in prolonged proximity to each other.
NM	Public Health Emergency Order	Issued on May 15, 2020 with immediate effect.	Individuals when in public places, except while eating, drinking or exercising, unless a healthcare provider instructs otherwise.	N/A	N/A
NY	Executive Order 202-16	Issued on April 12, 2020. Effective on April 15, 2020.	N/A	N/A	Employees of essential businesses when in the workplace and in direct contact with members of the public.
NY	Executive Order 202-17	Issued on April 15, 2020. Effective on April 17, 2002.	Individuals over the age of two in any public place when social distancing is not being practiced or is not possible.	N/A	N/A

NY	Executive Order 202-18	Issued on April 16, 2020. Effective on April 17, 2020.	Any person over the age of two utilizing public or private transportation for hire.	N/A	Persons operating public or private transportation for hire when passengers are present.
NC	Executive Order No 147 (Extension of Phase 2 Order and New Measures to Save Lives in the COVID-19 Pandemic)	Issued on June 24, 2020. Effective on June 26, 2020.	Riders of public transportation or private transportation for hire over the age of 10.	Customers over the age of 10 of retail businesses, restaurants (when not seated and eating or drinking), and personal grooming businesses.	Workers employed by retail businesses, restaurants, personal care businesses, child care facilities (including day camps and overnight camps), state government agencies, public or private transportation for hire, meat and poultry processing plants, and health care facilities, including long-term care facilities. Workers employed in other high-density settings where social distancing is not practical.
OH	Director of the Ohio Department of Health's Order for Facial Coverings Throughout the State of Ohio.	Issued on July 23, 2020, with immediate effect.	<p>Indoors: In any indoor location that is not a residence. When using or waiting for any form of public transportation, including taxis and ride sharing services.</p> <p>Outdoors: if it is not possible to maintain social distancing among people who are not part of the same household'</p> <p>Applicable to: All individuals over the age of nine, with certain exceptions.</p>	N/A	Face coverings are <u>not</u> required in industrial or manufacturing facilities, <i>if all employees are separated by at least six feet in all directions or by physical barriers</i> ; in K-12 schools, <i>if they comply with guidelines established by the Ohio Dept. of Education and the Ohio Dept. of Health</i> ; and in day care centers and child care facilities licensed by the Ohio Dept. of Jobs and Family Services (ODJFS), <i>if they comply with guidelines established by the ODJFS and the Ohio Dept. of Health</i> .
OR	Statewide Mask, Face Shield, Face Covering Guidance	Issued on July 15, 2020, with immediate effect. (Updates mask mandate	<p>Indoors: When visiting spaces open to the public or when using public transportation.</p> <p>Outdoors: When in public in</p>	Customers of (or visitors to) grocery stores, fitness-related organizations, indoor and outdoor entertainment facilities, outdoor recreation organizations, pharmacies, personal	Employees and contractors of grocery stores, fitness-related organizations, indoor and outdoor entertainment facilities, outdoor recreation organizations,

		that initially took effect on July 1, 2020.)	the presence of non-household members if social distancing is not possible. Applicable to: Individuals over the age of 12, with certain exceptions.	service providers, restaurants and bars (except when eating or drinking), unless social distancing can be maintained.	pharmacies, personal service providers, restaurants and bars, public transportation and private transportation for hire, unless the employee or contractor is not interacting with members of the public or is able to maintain social distancing.
PA	Order of the Secretary of the Pennsylvania Department of Health Requiring Face Coverings	Order issued on July 1, 2020, with immediate effect. (Supplements the prior Business Safety Order issued by the Secretary of the Department of Health on April 15, 2020.)	Indoors: In any location where members of the public are generally permitted. When using public transportation or private transportation for hire. Outdoors: When outdoors with non-household members and social distancing is not possible. Applicable to: Individuals over the age of two, with certain exceptions.	Individuals over the age of two when obtaining services from a healthcare provider.	Individuals engaged in work (in the workplace or off-site) when interacting in person with any member of the public, when in a space visited by members of the public, when in a space where food is prepared or packaged, or when present in common areas shared by other people (except members of the same household) if social distancing is not possible.
RI	Executive Order 20-30 (Twenty-Seventh Supplemental Emergency Declaration Requiring Cloth Face Masks in Public)	Issued on May 5, 2020. Effective on May 8, 2020.	Any person over the age of two in any place open to the public, whether indoors or outdoors. All persons over the age of two using or waiting for public mass transit or private transit for hire.	All persons over the age of two when inside grocery stores, pharmacies or other retail stores. (Does not distinguish between customers and employees.) Business are not required to refuse entry to persons who do not comply.	All persons over the age of two when inside grocery stores, pharmacies or other retail stores. (Does not distinguish between employees and customers.) All persons providing public mass transit or private transit for hire. Business are not required to refuse entry to persons who do not comply.
TX	Executive Order GA 29	Issued on July 2, 2020. Effective on July 3, 2020.	Indoors: When inside a commercial entity or other building or space that is open	N/A	N/A

			<p>to the public.</p> <p>Outdoors: When in a public space with persons who are not members of the same household if social distancing is not possible.</p> <p>Applicable to: Every person over the age of nine, with certain exceptions.</p> <p>Counties with minimal cases of COVID-19 (as defined by the Texas Division of Emergency Management) may opt out of the order.</p>		
VA	Executive Order 63 (2020) (Order of Public Health Emergency Five – Requirement to Wear Face Coverings Inside Buildings)	Issued on May 26, 2020. Effective on May 29, 2020.	Individuals occupying any indoor place shared by groups of people in close proximity to each other, including public transportation, taxis, and rides for hire. Not applicable to private homes or residences.	Patrons of personal care and grooming businesses, brick and mortar retail businesses, food and beverage establishments, entertainment or recreation businesses, and persons entering government buildings.	Employees of essential businesses (as defined in Executive Order 61 (2020)) whenever they are working in customer-facing areas.
VA	Virginia Department of Labor & Industry Emergency Temporary Standards (ETS) for Infectious Disease Prevention (COVID-19). 16 Virginia	Publication of final regulations expected during the week of July 27, 2020. Effective upon publication (employers will have 60 days to comply).	N/A	N/A	Face coverings to be required for certain types of employees classified as being at high risk or at medium risk of exposure to the virus that causes COVID-19.

	Administrative Code 25-220.				
WA	Washington State Department of Labor & Industries - Coronavirus Considerations for Employers Face Coverings, Masks, and Respirator Choices. (Does not apply to COVID-19 care in hospitals and clinics.)	Issued on May 22, 2020.	N/A	N/A	Establishes minimum requirements and standards for employers to provide face coverings and masks to specific categories of employees, based on the level of risk of exposure to the virus.
WA	Order of the Secretary of Health No. 20-03 (Face Coverings Statewide)	Issued on June 24, 2020. Effective on June 26, 2020.	<p>Indoors: When inside any building open to the public. When using or waiting for public transportation or transportation for hire.</p> <p>Outdoors: When in a public space with persons who are not members of the same household if social distancing is not possible.</p> <p>Applicable to: Individuals over the age of four, with certain exceptions.</p>	Individuals over the age of four in any healthcare setting.	N/A
WA	Proclamation by the Governor	Issued on July 1, 2020, with	N/A	N/A	Reaffirms a prior order requiring all employees to wear a face covering

	No. 20-25.5 (Safe Start - Stay Healthy County- By-County Reopening)	immediate effect.			while working, unless they are working alone or in a job that requires no in-person interaction with other people. Reaffirms that employers must provide cloth face coverings to all employees, except those whose jobs require a higher level of protection, as described in the Department of Labor and Industries' COVID-19 Workplace Safety and Health Requirements.
WV	Executive Order No. 50-20	Issued on July 6, 2020. Effective on July 7, 2020.	Individuals over the age eight when in a confined indoor space with persons who are not members of the same household if it is not possible to maintain social distancing. Does not apply to private residences or when consuming food or beverages.	N/A	N/A

As of July 27, 2020, the following states have not issued statewide mandates on the use of face coverings: Alaska, Arizona, Florida, Georgia, Idaho, Iowa, Mississippi, Missouri, Nebraska, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Tennessee, Utah, Vermont, Wisconsin, and Wyoming.