

SUPPLEMENTARY TABLE. Description of cost categories and selected resources needed for school-based implementation of CDC’s recommended COVID-19 mitigation strategies

Mitigation Strategy	Cost Category	Resource	Description	Units Measured (n)*	Reference/Sources
Cleaning and disinfection	Personnel	School Custodian	Occupational Code 37-2011	High: 2.5 additional custodian full time equivalents (FTEs) per school (n = 246,140) Low: 1.25 additional custodian FTEs per school (n = 123,070) [†]	National Center for Education Statistics Planning Guide for Maintaining School Facilities https://nces.ed.gov/pubs2003/2003347.pdf American Federation of Teachers https://www.aft.org/sites/default/files/wysiwyg/reopen-schools-financial-implications.pdf U.S. Bureau of Labor Statistics https://www.bls.gov/oes/current/oesrcst.html
	Materials and Consumables	Cleaners, disinfectants, and virucide	EPA approved germicidal cleaners, disinfectants, and virucide formulated to meet hospital standards	180-day supply per school (180 = average number of calendar days in school academic year) (n = 17,722,080) [§]	National Center for Education Statistics 2020 https://nces.ed.gov/surveys/annualreports/ U.S. General Services Administration(GSA) - Global Supply Catalog 2020 https://www.gsaglobalsupply.gsa.gov/advantage/ws/main/start_page?store=FSS
Consistent and correct use of masks	Materials and Consumables	Face masks	Light-weight disposable mask features an adjustable nose clip and adjustable upper and lower elastic straps to hold it in place	One-month supply for total school population (n = 1,141,367,601) [¶]	GSA Advantage - Disaster Relief and Pandemic Products Supply https://www.gsaadvantage.gov/advantage/ws/search/advantage_search?q=1:4DR.SAFE.461817.02*&s=0&c=25 School Kids Healthcare, School Health, and School Nurse Supply e-commerce marketplace websites https://www.schoolkidshealthcare.com https://www.schoolhealth.com https://www.schoolnursesupplyinc.com
Hand hygiene and respiratory etiquette	Materials and Consumables	Plexiglass Shield	30"x24" Plexiglass Acrylic Office Reception Desk Protection Barrier	1 front office shield per school (n = 98,456)	Amazon marketplace website https://www.amazon.com/s?k=coronavirus State cost of living index https://meric.mo.gov/data/cost-living-data-series
		Student Desk Shields	3-sided student desk sneeze guard germ protection shield	1 desk shield per student (n = 50,685,567)	
		Face Shields	Clear plastic reusable face shield with 9"x18" window and adjustable locking headgear	1 face shield per teacher and staff (n = 6,382,813)	
		Disposable Gloves	Micro-flex disposable latex-free gloves	2 pairs of gloves per teacher and staff ** (n = 12,765,626)	
		Hand sanitizer dispensers and dispenser refills	1000 mL capacity hand sanitizer dispenser units and 1000 mL refills	4 dispensers per school (n = 393,824) and monthly refills (n = 3,938,240)	
		Hand Sanitizer	12 oz. hand sanitizer bottles	1 sanitizer bottle per student (n = 50,685,567)	

		No Touch Thermometer	Non-contact infrared digital thermometer	2 thermometers per school (n = 196,912)	
		Oximeter	500DL Fingertip pulse oximeter	2 oximeters per school (n = 196,912)	
Social distancing to the largest extent possible	Materials and Consumables	Signage (floor signs and directional arrows)	Waterproof adhesive removable floor decals	1 signage kit (100-200 decals) per school (n = 98,456)	
	Transportation	School Buses, Drivers, and Maintenance	36% increase in national transportation funding		
					American Federation of Teachers https://www.aft.org/sites/default/files/wysiwyg/reopen-schools-financial-implications.pdf

*Total units measured based on total number of preK-12 public schools, total population of teachers and staff, and total student enrollment as of FY 2018; this is the latest year of school data published by the National Center for Education Statistics <https://nces.ed.gov/>

† The additional number of school custodians is a minimum number of additional custodians estimated for tier 2 cleaning needed for an estimated 10% of targeted physical areas per school (i.e. bathrooms, food service areas, and high need classrooms, including special needs classes). <https://nces.ed.gov/pubs2003/2003347.pdf> / <https://www.aft.org/sites/default/files/wysiwyg/reopen-schools-financial-implications.pdf>

§ Some school districts have already transitioned to in-person learning and others may transition at various time intervals; however, for consistency across schools we estimated costs given a full academic year.

¶ Masks for one month were estimated based on the assumption that over time teachers and staff would purchase their own masks and schools would add masks to the student supply list.

** Gloves were estimated as a one-time allocation per teacher and staff. Evidence does not indicate how many pairs of gloves would be needed over time for all teachers and staff. Teachers and staff members are assumed to purchase their own gloves as needed.