

# Covid Update Handout 12-13-2021

## GA Tech Covid-19 Event Risk Assessment Planning Tool

<https://covid19risk.biosci.gatech.edu/>

New York Times recommended Wirecutter Summary Mask article - All you need to know about buying masks of all types - includes links to purchase.

<https://www.nytimes.com/wirecutter/reviews/where-to-buy-n95-kn95-masks-online/amp/>

How to “Knot and Tuck” mask to improve fit - 55 second web video at



## NIOSH-approved N95 Particulate Filtering Facepiece Respirators

[https://www.cdc.gov/niosh/npptl/topics/respirators/disp\\_part/n95list1sect2-k.html](https://www.cdc.gov/niosh/npptl/topics/respirators/disp_part/n95list1sect2-k.html)

## CDC-NIOSH-NPPTL: Certified Equipment List Search

AARP Travel Article “Coronavirus and Travel: What You Should Know”

<https://www.aarp.org/travel/travel-tips/safety/info-2020/coronavirus-and-travel.html>

Johns Hopkins Coronavirus Covid 19 Data in Motion (Current 1 minute summary video of today’s US Covid statistics)

<https://coronavirus.jhu.edu/covid-19-daily-video>

Johns Hopkins Bloomberg School of Public Health article  
“The Antidote to Vaccine Hesitancy”

<https://publichealth.jhu.edu/2021/the-antidote-to-vaccine-hesitancy>

## Key Covid Formula

$1 - 1/R_0 = \%$  of population immune to stop spread of a disease.

Example: Covid Delta  $R_0 = 6.5$ ;  $1 - 1/6.5 = 85\%$  = Per cent US population needing to be immune to stop spread of Covid Delta in US.

Example 2; Polio  $R_0 = 3.5$ ;  $1 - 1/3.5 = 72\%$  = Per cent US population needed to be immune to stop spread of polio. Currently over 90% US kids immune due to polio vaccine mandate prior to school entry. Polio eliminated from US and US population protected from foreign polio reentry.

Viral Antigen tests - Are you Contagious?

Consider BinaxNOW(Abbott)

QuickVue, Ellume, Flowflex

Available at Amazon, Walmart, Walgreen (about \$25 for 2 tests now - soon reimbursed by health insurance and possibly free if Medicare or no insurance)

JMR