



## FACE MASK USE & VIRAL RESPIRATORY INFECTIONS: RESEARCH SINCE SARS 2004-2019

Links to all studies/abstracts at

APRIL 2020

# COVID19.KNOWTES.COM

2004  
FEB

EMERGING INFECTIOUS DISEASES (CDC)

"Risk Factors for SARS among Persons without Known Contact with SARS Patients, Beijing, China"

"... Consistent mask use lowered the risk for disease, ..."

2006  
MAR

AMERICAN JOURNAL OF INFECTION CONTROL

"Do N95 respirators provide 95% protection level against airborne viruses, and how adequate are surgical masks?"

"CONCLUSION: The N95 filtering face piece respirators may not provide the expected protection level against small virions. ..."

2008  
JUL

PLOS ONE

"Professional and Home-Made Face Masks Reduce Exposure to Respiratory Infections among the General Population"

"Conclusions/Significance Any type of general mask use is likely to decrease viral exposure and infection risk on a population level, in spite of imperfect fit and imperfect adherence, personal respirators providing most protection. ..."

2008  
DEC

INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES

"The First Randomized, Controlled Clinical Trial of Mask Use in Households to Prevent Respiratory Virus Transmission"

"Conclusions: ... We found compliance to be low, but compliance is affected by perception of risk. In a pandemic, we would expect compliance to improve. In compliant users, masks were highly efficacious. A larger study is required"

2009  
FEB

EMERGING INFECTIOUS DISEASES (CDC)

"Face Mask Use and Control of Respiratory Virus Transmission in Households"

"... We concluded that household use of masks is associated with low adherence and is ineffective in controlling seasonal ILI. If adherence were greater, mask use might reduce transmission during a severe influenza pandemic."

"For new or emerging respiratory virus infections, no pharmaceutical interventions may be available ... Masks may therefore play an important role in reducing transmission."

2009  
JUL

CLINICAL INFECTIOUS DISEASE (IDSA)

"A quantitative assessment of the efficacy of surgical and N95 masks to filter influenza virus in patients with acute influenza infection."

"Surgical and N95 masks were equally effective in preventing the spread of PCR-detectable influenza."

2010  
JAN

EPIDEMIOLOGY & INFECTION (CAMBRIDGE PRESS)

"Face masks to prevent transmission of influenza virus: a systematic review"

"... There is some evidence to support the wearing of masks or respirators during illness to protect others, and public health emphasis on mask wearing during illness may help to reduce influenza virus transmission. There are fewer data to support the use of masks or respirators to prevent becoming infected. ..."

2010  
FEB

JOURNAL OF INFECTIOUS DISEASES (IDSA)

"Mask use, hand hygiene, and seasonal influenza-like illness among young adults: A randomized intervention trial"

"Conclusions. These findings suggest that face masks and hand hygiene may reduce respiratory illnesses in shared living settings and mitigate the impact of the influenza A(H1N1) pandemic."

2011  
DEC

INFLUENZA JOURNAL

"The use of masks and respirators to prevent transmission of influenza: a systematic review of the scientific evidence"

"Eight of nine ... studies ... mask and/or respirator use ... reduced risk of severe acute respiratory syndrome (SARS). ... None of the studies established a conclusive ... protection against influenza infection"

2019  
SEP

JAMA (AMA)

"N95 Respirators vs Medical Masks for Preventing Influenza Among Health Care Personnel A Randomized Clinical Trial"

"Conclusions Among outpatient HCP, N95 respirators vs medical masks as worn by participants in this trial resulted in no significant difference in the incidence of laboratory-confirmed influenza."

