



Review on Current Requirement of Mask Compulsion Post Pandemic in the Hospitality Sector of Pune City

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Abstract:

The science of wearing mask/s in public is to curb the transfer of the rapidly spreading Covid 19 virus. In this study we are examining mask usage, synchronizing the literature to inform multiple areas; population impact, transmission characteristics, wearer protection, sociological considerations and implementation considerations.

The primary transmission route of the Covid-19 is via respiratory particles through the already infected individuals. Reducing the disease spread requires physical/social distancing and taking precautions to reduce probability per contact.

Wearing mask/s reduces transmissibility per contact by reducing transmission of infected respiratory particles in both laboratory and clinical contexts.

Public masks wearing is most effective at reducing spread of the virus when compliance is high whether it be N95, disposable or home-made cloth masks; all form an effective source control, in conjunction with existing hygiene, sanitization, distancing and contact tracing strategies. We recommend increasing and

continuous focus on a previously overlooked aspect of mask usage as many respiratory particles become smaller due to evaporation. Mask/s wearing by not only infectious person/s and susceptible person such as health care workers but also every individual should focus on individual protection and this should be made compulsory. Public and government officials should strongly propagate and encourage public awareness of face masks in public, including the use of appropriate regulation.

Key Words: Masks, Masked Education, Covid 19, Pandemic, Hygiene, Sanitization, Health and Safety

Introduction:

As long as there was no specific treatment or vaccine, the first pandemic of the 21st century was fought with the methods of 14th and 19th centuries - distancing, hand washing, covering of the nose and mouth with a cloth. On a global front, face masks had become an increasingly important part of national strategies to fight the Covid 19 pandemic. Schools, Colleges, Institutes, Universities and even Offices and Commercial sites closures have already ended but the question of wearing masks at all these places in the current scenario is discussed, particularly, as new cases are popping up and newer variants are on the rise along with new viruses.

As the virus is still with us, the following is the characteristics (both advantages and disadvantages) of the virus and its transmission.

- People without any symptoms may be infected and spread of the Covid -19.
- Upon speaking, the virus is released into the air, the louder the more.
- The virus can remain airborne for many hours in closed areas
- Wearing masks is convenient, reasonable, easy to implement and easier to supervise
- Wearing masks may have its physical side effects and limitations
- Face masks impair face identification and face recognition
- Face masks impair verbal as well as non-verbal communication
- Face masks block emotional signaling between the two or more individual conversations for instance – teacher and student/s.
- Mask are useful to prevent inhalation of vehicle and other air pollutants.

Given these pros and cons, its is not clear whether masks should play an important role in the current times and settings of this viral pandemic.

Literature Review:

Sarah Bartsch, Kelly Oshea and Kevin Chin (2022) in their article ‘Maintaining Face Mask use before and after achieving different Covid-19 vaccination coverage levels: a modelling study’ studied that masks are a strong support for achieving successful protection against the virus until the required vaccination coverage is not procured. Continuous wearing of masks is required as the virus variants are emerging and hence masks is a cost effective and cost saving protection.

Dr Burnell Kurian, Dr Shaijo Daniel and Dr Sayantan Ghosh in their review article, ‘The Need of Understanding the Importance and Uses of Face Masks’ published in Journal of Current Medical Research

and Opinion stated that the transmission of the virus could be restricted by the use of masks as people need to travel and come in contact with a variety of people for their day to day needs and living. This is a global scenario which could be reduced by the use of proper masks.

UNICEF (2020) educated us on the reasons for wearing masks/ face covering not only for adults and children, the types of masks which are best to use, recommended fabric to be used, the use of face shield etc. The website also has discussed the reasons why a mask could make a person unwell and when should a person wear or not wear a mask.

They also discussed the correct method in educating a child to wear masks for safety and protection.

Jeremy Howard and Austin Huang (2020) and the co-authors, in their article, 'An Evidence Review of Face Masks against Covid-19' published in Proceedings of the National Academy of Sciences 2021 Vol. 118 No. 4 e2014564118 dated 13-07-, states that by wearing masks lesser people are infected when both the infected and non-infected persons are wearing masks; whether it be cloth, medical or N95 masks.

Objective:

We call this current phase of the Covid 19 virus situation – 'The Endemic' but then cases are on the rise and many are still affected and infected. In Institutions, colleges, schools and even at work places; adults and children are travelling from various locations, using various means of public transport, interacting with multiple people known and unknown and hence still people are falling ill and are still unsafe.

Our study is to understand the requirement and necessity of the use of masks and whether they are helpful or are we safe without using masks in this present situation.

Methodology

This review includes data related to Face Masks and their related uses. Analysing the effect of face masks and their rational uses has led to/ leading/ will lead to a substantial reduction in the Covid 19 infections and also regarding to its safe use. The information is collected over the internet from research articles, various guidelines related to face masks using journal sites and health care organization sites and also a google form sent to Pune residents.

Discussion

It has been observed that though it is said that Covid-19 has reached the Endemic Stage on one end; however; daily it is also been read that new and powerful variants are on the rise; even as we read here. To combat this situation, face masks are useful and effective as preventive measures against the virus.

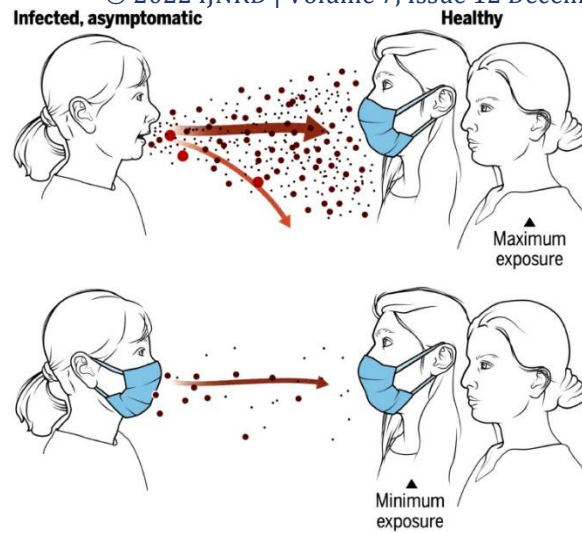


Fig. 1

Face masks reduce airborne transmission of the SARS-CoV-2 virus. The authors comment: “Infectious aerosol particles can be released during breathing and speaking by asymptomatic infected individuals. No masking maximizes exposure, whereas universal masking results in the least exposure” ([65], p. 1423, © Science Magazine, with permission).

Our findings suggest that face mask should be implemented compulsorily in Pune and also nation-wide and universally; even though they may be home made or of a poor quality but this measure has definitely contributed and would continue to contribute greatly in ending the Covid-19 virus and its variants. Considering the population and masses in the city and each individual meeting so many people daily; face mask implementation be done without any delay.

In our Indian society; people wearing masks creates a lot of scope of misunderstanding and emotional misinterpretation but we need to face the fact with a smile and react accordingly – keeping in mind the potentially dangerous situations – especially in schools and colleges.

Conclusion:

The continuous uncertainty of the emergence of virus variations, the current and frequent drastic climatic changes, the number of cases is on an increase again and hence further has increased the face mask/s value. With the upcoming winter surge and the immunity of people decreasing; the transferability of virus is higher.

The review study supports the usage of face masks across the population and not just amongst a specific group of people.

References:

1. Ameres M., Brandstetter S., Tonchev A.A., Kabesch M., Leppert D., Kuhle J., Wellmann S. Association of neuronal injury blood marker neurofilament light chain with mild-to-moderate COVID-19. *J. Neurol.* 2020 doi: 10.1007/s00415-020-10050-y. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
2. Anfinrud P., Stadnytskyi V., Bax C.E., Bax A. Visualizing speech-generated oral fluid droplets with laser light scattering. *N. Engl. J. Med.* 2020;382:2061–2063. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]

3. Anonymus Generation coronavirus? *Lancet*. 2020;395:1949. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
4. Anonymus Physical distancing, face masks, and eye protection for prevention of covid-19. *Lancet*. 2020;395:1950–1951. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
5. Asadi S., Wexler A.S., Cappa C.D., Barreda S., Bouvier N.M., Ristenpart W.D. Aerosol emission and superemission during human speech increase with voice loudness. *Sci. Rep.* 2019;9:2348. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
6. Asadi S., Bouvier N., Wexler A.S., Ristenpart W.D. The coronavirus pandemic and aerosols: does COVID-19 transmit via expiratory particles? *Aerosol Sci. Technol.* 2020;0:1–4. doi: 10.1080/02786826.2020.1749229. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
7. Atcherson S.R., Mendel L.L., Baltimore W.J., Patro C., Lee S., Pousson M., Spann M.J. The effect of conventional and transparent surgical masks on speech understanding in individuals with and without hearing loss. *J. Am. Acad. Audiol.* 2017;28:58–67. [[PubMed](#)] [[Google Scholar](#)]
8. Bai N. University of California; San Francisco: 2020. Still Confused About Masks? Here's the Science Behind How Face Masks Prevent Coronavirus. <https://www.ucsf.edu/news/2020/06/417906/still-confused-about-masks-heres-science-behind-how-face-masks-prevent> (UCSF) Special Notice Concerning Covid-19, June 26th 2020. accessed July 11th 2020) [[Google Scholar](#)]
9. Bernstein L.... . The Washington Post; 2020. Young People Are Infecting Older Family Members in Shared Homes. [[Google Scholar](#)]
10. Bombari D., Schmid P.C., Schmid Mast M., Birri S., Mast F.W., Lobmaier J.S. Emotion recognition: the role of featural and configural face information. *Q. J. Exp. Psychol.* 2013;66:2426–2442. [[PubMed](#)] [[Google Scholar](#)]
11. Bosch J. (2020) Personal Communication Via Email (June 18th, 2020).
12. Brann D.H., Tsukahara T., Weinreb C., Lipovsek M., Van den Berge K. Non-neuronal expression of SARS-CoV-2 entry genes in the olfactory system suggests mechanisms underlying COVID-19-associated anosmia. *Sci. Adv.* 2020 doi: 10.1126/sciadv.abc5801. [[CrossRef](#)] [[Google Scholar](#)]
13. Chu D.K., Akl E.A., Duda S., Solo K., Yaacoub S., Schünemann H.S., COVID-19 Systematic Urgent Review Group Effort (SURGE) study authors Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and COVID-19: a systematic review and meta-analysis. *Lancet*. 2020;395:1973–1987. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
14. Cohn S. The Conversation; 2020. Face Masks: What The Spanish Flu Can Teach Us About Making Them Compulsory. <https://theconversation.com/face-masks-what-the-spanish-flu-can-teach-us-about-making-them-compulsory-137648> accessed July 14th 2020. [[Google Scholar](#)]
15. Couzin-Frankel J., Vogel G., Weiland M. Not open and shut. School openings across the globe suggest ways to keep the coronavirus at bay, despite outbreaks. *Science*. 2020;369:241–245. [[PubMed](#)] [[Google Scholar](#)]
16. COVID-19 Dashboard (2020) COVID-19 Dashboard By The Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU) (<https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>; accessed July 29th 2020).
17. Curby K.M., Johnson K.J., Tyson A. Face to face with emotion: holistic face processing is modulated by emotional state. *Cognit. Emotion*. 2012;26:93–102. [[PubMed](#)] [[Google Scholar](#)]
18. Darwin C. 3rd edition. Fontana Press; London UK: 1872. The Expression of the Emotions in Man and Animals. [[Google Scholar](#)]
19. Darwin C. 3rd edition. Fontana Press; London UK: 1999. The Expression of the Emotions in Man and Animals. [[Google Scholar](#)]

20. Davies N.G., Klepac P., Liu Y., Prem K., Jit M., Eggo R.M. Age-dependent effects in the transmission and control of COVID-19 epidemics. *Mature Med.* 2020 doi: 10.1038/s41591-020-0962-9. CMMID COVID-19 working group. [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
21. Diamond A., Barnett W.S., Thomas J., Munro S. Preschool program improves cognitive control. *Science.* 2007;318:1387–1388. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
22. Diamond A., Lee K. Interventions shown to aid executive function development in children 4 to 12 years old. *Science.* 2011;333:959–964. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
23. Dimberg U., Thunberg M., Elmehed K. Unconscious facial reactions to emotional facial expressions. *Psychol. Sci.* 2000;11:86–89. [[PubMed](#)] [[Google Scholar](#)]
24. Duguid J.P. The size and the duration of air-carriage of respiratory droplets and droplet-nuclei. *J. Hyg. Lond.* 1946;44:471–479. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
25. Eibl-Eibesfeld I. München; Piper: 1975. Grundriß Der Vergleichenden Verhaltensforschung. [[Google Scholar](#)]
26. Eikenberry S.E., Mancuso M., Iboi E., Phan T., Eikenberry K., Kuang Y., Kostelich E., Gumel A.B. To mask or not to mask: modeling the potential for face mask use by the general public to curtail the COVID-19 pandemic. *Infect. Dis. Model.* 2020;5:293–308. (Epub April 21st 2020) [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
27. Ekman P. Universal facial expressions of emotion. *Calif. Ment. Health Res. Digest.* 1970;8:151–158. [[Google Scholar](#)]
28. Ekman P., Friesen W.V. Constants across cultures in the face and emotion. *J. Personal. Soc. Psychol.* 1971;17:124–129. [[PubMed](#)] [[Google Scholar](#)]
29. Ekman P. Are there basic emotions? *Psychol. Rev.* 1992;99:550–553. [[PubMed](#)] [[Google Scholar](#)]
30. Enea V., Iancu S. Processing emotional body expressions: state-of-the-art. *Soc. Neurosci.* 2016;11:495–506. [[PubMed](#)] [[Google Scholar](#)]
31. Esposito S., Principi N., Leung C.C., Migliori G.B. Universal use of face masks for success against COVID-19: evidence and implications for prevention policies. *Eur. Respir. J.* 2020 doi: 10.1183/13993003.01260-2020. published online June 18th 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
32. Fikenzler S., Uhe T., Lavall D., Rudolph U., Falz R., Busse M., Hepp P., Laufs U. Effects of surgical and FFP2/N95 face masks on cardiopulmonary exercise capacity. *Clin. Res. Cardiol.* 2020 doi: 10.1007/s00392-020-01704-y. published online July 6th 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
33. Fox S.E., Akmatbekov A., Harbert J.L., Li G., J Brown Q., Vander Heide R.S. Pulmonary and cardiac pathology in African American patients with COVID-19: an autopsy series from New Orleans. *Lancet Respir. Med.* 2020;27(5):2020. doi: 10.1016/S2213-2600(20)30243-5. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
34. Götzinger F., Santiago-García B., Noguera-Julián A., Lanasa M., Lancella L., et al., on behalf of the ptbnet COVID-19 Study Group (2020) COVID-19 in children and adolescents in Europe: a multinational, multicentre cohort study. *Lancet Child Adolesc. Health* 2020, publ. June 25, 2020 (doi: 10.1016/S2352-4642(20)30177-2; accessed 26th June 2020). [[PMC free article](#)] [[PubMed](#)]
35. Gunnery S.D., Ruben M.A. Perceptions of Duchenne and non-Duchenne smiles: a meta-analysis. *Cognit. Emotion.* 2016;30:501–515. [[PubMed](#)] [[Google Scholar](#)]
36. Henrich J. Princeton University Press; Princeton NJ: 2016. The Secret of Our Success. [[Google Scholar](#)]
37. Hoehl S., Striano T. Neural processing of eye gaze and threat-related emotional facial expressions in infancy. *Child Dev.* 2008;79:1752–1760. [[PubMed](#)] [[Google Scholar](#)]
38. Jack R.E., Schyns P.G. The human face as a dynamic tool for social communication. *Curr. Biol.* 2015;25:R621–R634. doi: 10.1016/j.cub.2015.05.052. [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]

39. Johnson K.J., Waugh C.E., Fredrickson B.L. Smile to see the forest: facially expressed positive emotions broaden cognition. *Cognit. Emotion*. 2010;24:299–321. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
40. Kanat M., Heinrichs M., Mader I., Tebartz van Elst L., Domes G. Oxytocin modulates amygdala reactivity to masked fearful eyes. *Neuropsychopharmacology*. 2015;40:2632–2638. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
41. Krys K., Vauclair C., Capaldi C.A., Lun V.M., Bond M.H., Domínguez-Espinosa A., Torres C., Lipp O.V., Manickam L.S., Xing C., Antalíková R., Pavlopoulos V., Teyssier J., Hur T., Hansen K., Szarota P., Ahmed R.A., Burtceva E., Chkhaidze A., Cenko E., Denoux P., Fülöp M., Hassan A., Igbokwe D.O., Işık İ., Javangwe G., Malbran M., Maricchiolo F., Mikarsa H., Miles L.K., Nader M., Park J., Rizwan M., Salem R., Schwarz B., Shah I., Sun C.R., van Tilburg W., Wagner W., Wise R., Yu A.A. Be careful where you smile: culture shapes judgments of intelligence and honesty of smiling individuals. *J. Nonverbal Behav.* 2016;40:101–116. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
42. Lavezzo E., Franchin E., Ciavarella C. Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vó *Nature*. 2020 doi: 10.1038/s41586-020-2488-1. published online ahead of print on June 30th 2020. [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
43. Lawton G. (2020) You Could Be Spreading The Coronavirus Without Realising You've Got It. *New Scientist* 3275, published online March 24th 2020 (https://www.newscientist.com/article/2238473-you-could-be-spreading-the-coronavirus-without-realising-youve-got-it/?utm_campaign=onesignal&utm_medium...; accessed March 24th).
44. Lazzarino A.I., Steptoe A., Hamer M., Michie S. Covid-19: important potential side effects of wearing face masks that we should bear in mind. *BMJ*. 2020;369:m2003. doi: 10.1136/bmj.m2003. published May 21st 2020. [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
45. Leung N.H.L., Chu D.K.W., Shiu E.Y.C., Chan K.H., McDevitt J.J., Hau B.J.P., Yen H.L., Li Y., Ip D.K.M., Peiris J.S.M., Seto W.H., Leung G.M., Milton D.K., Cowling B.J. Respiratory virus shedding in exhaled breath and efficacy of face masks. *Nat. Med.* 2020;26:676–680. <https://www.nature.com/articles/s41591-020-0843-2.pdf> Epub April 3rd 2020. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
46. Li Y., Tokura H., Guo Y.P., Wong A.S.W., Wong T., Chung J., Newton E. Effects of wearing N95 and surgical facemasks on heart rate, thermal stress and subjective sensations. *Int. Arch. Occup. Environ. Health*. 2005;78:501–509. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
47. Li R., Pei S., Chen B., Song Y., Zhang T., Yang W., Shaman J. Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2) *Science*. 2020;368:489–493. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
48. Libertus K., Landa R.J., Haworth J.L. Development of attention to faces during the first 3 years: influences of stimulus type. *Front. Psychol.* 2017;8:1976. doi: 10.3389/fpsyg.2017.01976. Published November 17th 2017. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
49. Liu Y., Ning Z., Chen Y., Guo M., Liu Y., Gali N.K., Sun L., Duan Y., Cai J., Westerdahl D., Liu X., Xu K., Ho K.-F., Kan H., Fu Q., Lan K. Aerodynamic analysis of SARS-CoV-2 in two Wuhan hospitals. *Nature*. 2020;582:557–560. [[PubMed](#)] [[Google Scholar](#)]
50. Ludvigsson J.F. Children are unlikely to be the main drivers of the COVID-19 pandemic - a systematic review. *Acta Paediatr.* 2020;109:1525–1530. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
51. Lyons I.M., Beilock S.L. Mathematics anxiety: separating the math from the anxiety. *Cereb. Cortex*. 2012;22:2102–2110. [[PubMed](#)] [[Google Scholar](#)]
52. Lyu W., Wehby G.L. (2020) Community Use Of Face Masks And COVID-19: Evidence From A Natural Experiment Of State Mandates In The US. *Health Affairs*, published online ahead of print June 16th, 2020 (<https://www.healthaffairs.org/doi/10.1377/hlthaff.2020.00818?cookieSet=1>; accessed June 20th 2020).
53. MacIntyre C.R., Wang Q. Physical distancing, face masks, and eye protection for prevention of Covid-19. *Lancet*. 2020;395 1959–1951. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]

54. Mendel L.L., Gardino J.A., Atcherson S.R. Speech understanding using surgical masks: a problem in health care? *J. Am. Acad. Audiol.* 2008;19:686–695. [[PubMed](#)] [[Google Scholar](#)]
55. Meselson M. Droplets and Aerosols in the Transmission of SARS-CoV-2. *N. Engl. J. Med.* 2020;382:2063. April 15th, 2020. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
56. Mitze T., Kosfeld R., Rode J., Wälde K. (2020) Compulsory Face Masks And Their Effects On The Corona Pandemic. What The World May Learn From Jena; Original Title In German. Working paper from June 3rd 2020, University of Southern Denmark, University of Kassel, Technical University Darmstadt, Johannes Gutenberg University Mainz (https://download.uni-ainz.de/presse/03_wiwi_corona_masken_paper_zusammenfassung.pdf; accessed June 9th 2020).
57. Nestor M.S., Fischer D., Arnold D. “Masking” our Emotions: botulinum toxin, facial expression and well-being in the age of COVID-19. *J. Cosmet. Dermatol. Early View.* 2020 doi: 10.1111/jocd.13569. first published June 27th 2020 accessed July 7th, 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
58. Ong J.J.Y., Bharatendu C., Goh Y., Tang J.Z.Y., Sooi K.X.X., Tan Y.L., Tan B.Y.Q., Teoh H.-L., Ong S.T., Allen D.M., Sharma V.K. Headaches associated with personal protective equipment – a cross-sectional study among frontline healthcare workers during COVID-19. *Headache.* 2020;60:864–877. [[PubMed](#)] [[Google Scholar](#)]
59. Olszanowski M., Wróbel M., Hess U. Mimicking and sharing emotions: a re-examination of the link between facial mimicry and emotional contagion. *Cognit. Emotion.* 2020;34:367–376. [[PubMed](#)] [[Google Scholar](#)]
60. Oxley T.J., Mocco J., Majidi S., Kellner C.P., Shoirah H. Large-vessel stroke as a presenting feature of Covid-19 in the young. *NEJM.* 2020 doi: 10.1056/NEJMc2009787. published online April 28th, 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
61. Pascalis O., Scott L.S., Kelly D.J., Shannon R.W., Nicholson E., Coleman M., Nelson C.A. Plasticity of face processing in infancy. *PNAS.* 2005;102:5297–5300. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
62. Peltola M.J., Leppänen J.M., Mäki S., Hietanen J.K. Emergence of enhanced attention to fearful faces between 5 and 7 months of age. *Soc. Cogn. Affect. Neurosci.* 2009;4:134–142. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
63. Phelamei S. The Times Now; 2020. Wearing Face Masks Is The “new Normal”: Know These Tips and Tricks to Avoid Common Side Effects. June 10th, 2020. [[Google Scholar](#)]
64. Pons F., Bosch L., Lewkowicz D.J. Bilingualism modulates infants’ selective attention to the mouth of a talking face. *Psychol. Sci.* 2015;26:490–498. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
65. Prather K.A., Wang C.C., Schooley R.T. Reducing transmission of SARSCoV-2. Masks and testing are necessary to combat asymptomatic spread in aerosols and droplets. *Science.* 2020;368:1422–1424. published online ahead of print on May 27th 2020. [[PubMed](#)] [[Google Scholar](#)]
66. Rapkiewicz A.V., Mai X., Carsons S.E., Pittaluga S., Kleiner D.E., Berger J.S. Megakaryocytes and platelet-fibrin thrombi characterize multi-organ thrombosis at autopsy in COVID-19: a case series. *EClinicalMedicine.* 2020 doi: 10.1016/j.eclinm.2020.100434. June 17th 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
67. Reynolds G.D., Roth K.C. The development of attentional biases for faces in infancy: a developmental systems perspective. *Front. Psychol.* 2018;9:222. doi: 10.3389/fpsyg.2018.00222. eCollection 2018; accessed July 19th, 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
68. Rivett L., Sridhar S., Sparkes D. Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. *Elife.* 2020;9:e58728. doi: 10.7554/eLife.58728. published online ahead of print on May 11th 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
69. Scheller E., Büchel C., Gamer M. Diagnostic features of emotional expressions are processed preferentially. *PLoS ONE.* 2012;7:e41792. doi: 10.1371/journal.pone.0041792. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]

70. Solomon I.H., Normandin E., Bhattacharyya S., Mukerji S.S., Keller K., Ali A.S., Adams G., Hornick J.L., Padera R.F., Jr, Sabeti P. Neuropathological features of Covid-19. *NEJM*. 2020 doi: 10.1056/NEJMc2019373. June 12th 2020. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
71. Spitzer M. Munich Publishing Group [Münchner Verlagsgruppe (mvg)]; Munich, Germany: 2020. Pandemic. What This Crisis Is Doing To Us and What We Are Going to Make Out of it. [Pandemie. Was Die Krise Mit Uns Macht Und Was Wir Aus Ihr Machen. [[Google Scholar](#)]
72. Szablewski C.M., Chang K.T., Brown M.M., Chu V.T., Yousaf A.R. SARS-CoV-2 transmission and infection among attendees of an overnight camp — Georgia. *MMWR*. 2020;69 Centers for Disease Control and Prevention. ePub: 31 July 2020. [[PMC free article](#)] [[PubMed](#)] [[Google Scholar](#)]
73. UNESCO (2020) Education: From Disruption to Recovery. School Clusures Caused By Coronavirus (Covid-19) (<https://en.unesco.org/covid19/educationresponse>, accessed July 11th 2020).
74. Wegrzyn M., Vogt M., Kireclioglu B., Schneider J., Kissler J. Mapping the emotional face. How individual face parts contribute to successful emotion recognition. *PLoS ONE*. 2017;12 doi: 10.1371/journal.pone.0177239. [[PMC free article](#)] [[PubMed](#)] [[CrossRef](#)] [[Google Scholar](#)]
75. Wößmann L. Folgekosten ausbleibenden Lernens: was wir über die Corona-bedingten Schulschließungen aus der Forschung lernen können. *Ifo Schnell*. 2020;73 [[Google Scholar](#)]
76. Walger P, Heininger U, Knuf M, et al. Children and adolescents in the CoVid-19 pandemic: Schools and daycare centers are to be opened again without restrictions. The protection of teachers, educators, carers and parents and the general hygiene rules do not conflict with this. *GMS Hyg Infect Control* 2020; 15: Doc11. [[PMC free article](#)] [[PubMed](#)]