

## Literature reference list on Covid, choirs, and singing (compiled by I. Taurins 15/7/20)

Ballard E. Covid-19 and Singing: A Summary of Current Evidence (May 30, 2020)

<http://www.clarisinda.co.uk/gallery/Random/Covid-19AndSinging.pdf>

*Related:* Ashworth P. Singing might not be so great a risk, after all. *Church Times*, June 4, 2020:

<https://www.churchtimes.co.uk/articles/2020/5-june/news/uk/singing-might-not-be-so-great-a-risk-after-all>

Becher L, Gena AW, Völker C. (a) Risk assessment of the spread of breathing air from wind instruments and singers during the COVID-19 pandemic (June 26, 2020):

[https://www.uni-](https://www.uni-weimar.de/fileadmin/user/fak/bauing/professuren_institute/Bauphysik/00_Aktuelles/Risk_a)

[weimar.de/fileadmin/user/fak/bauing/professuren\\_institute/Bauphysik/00\\_Aktuelles/Risk\\_a\\_sessment\\_of\\_the\\_spread\\_of\\_breathing\\_air\\_from\\_wind\\_instruments\\_and\\_singers\\_during\\_the\\_COVID-19\\_pandemic.pdf](https://www.uni-weimar.de/fileadmin/user/fak/bauing/professuren_institute/Bauphysik/00_Aktuelles/Risk_a_sessment_of_the_spread_of_breathing_air_from_wind_instruments_and_singers_during_the_COVID-19_pandemic.pdf)

Becher L, Gena AW, Völker C. (b): <https://vimeo.com/431505952>

BR (Bayerische Rundfunk) Chor. Aerosol-Studie mit dem BR-Chor (Eng) (July 3, 2020):

<https://www.br-chor.com/aerosol-study-with-the-bavarian-radio-chorus/>

BR Klassik. Chorsingen und Corona: Studie Macht Aerosole Sichtbar (July 3, 2020):

<https://www.br-klassik.de/aktuell/news-kritik/chor-corona-chorstudie-singen-infektionsgefahr-br-muenchen-erlangen-100.html>

LMU Klinikum press release on BR study, July 3, 2020:

<https://www.lmu-klinikum.de/aktuelles/pressemitteilungen/erste-ergebnisse-zu-aerosol-studie-mit-dem-chor-des-br/caf8e9f9c407a2bd>

*Related articles to BR study:*

1) NDR Kultur:

<https://www.ndr.de/ndrkultur/Prof-Matthias-Echternach-ueber-Aerosolverbreitung-beim-Singen,audio707670.html>

2) NDR Musik (English translation in pdf attached to email):

<https://www.ndr.de/kultur/musik/Corona-Studie-zum-Sicherheitsabstand-beim-Singen,aerosolebeimsingen100.html>

3) Healthcare-in-Europe.com:

<https://healthcare-in-europe.com/en/news/singing-in-times-of-covid-19.html>

4) Forum for Science, Industry, and Business – Innovations Report (July 3, 2020):

<https://www.innovations-report.com/hrml/reports/studies/risk-of-infection-with-covid-19-from-singing-first-results-of-aerosol-study-with-the-bavarian-radio-chorus.html>

Freiburg University. Risk assessment of a coronavirus infection in the field of music - third update July 1, 2020 (Eng, plus Eng pdf):

<https://www.mh-freiburg.de/en/university/covid-19-corona/risk-assessment>

Kähler CJ, Hain R. Singing in choirs and making music with wind instruments – Is that safe during the SARS-CoV-2 pandemic? (May 15, 2020):

[https://www.unibw.de/lrt7-en/making\\_music\\_during\\_the\\_sars-cov-2\\_pandemic.pdf](https://www.unibw.de/lrt7-en/making_music_during_the_sars-cov-2_pandemic.pdf)

related Youtube link:

<https://www.youtube.com/watch?v=BYo3wIWUDDM&feature=youtu.be>

Kähler CJ, Hain R. Fundamental protective mechanisms of face masks against droplet infections. *Journal of Aerosol Science*:

<https://www.sciencedirect.com/science/article/pii/S0021850220301063>

Klompas M, Baker MA, Rhee C. Airborne Transmission of Sars-CoV-2 – Theoretical Considerations and Available Evidence. *JAMA* (July 13, 2020):

<https://jamanetwork.com/journals/jama/fullarticle/2768396>

Miller S, Srebric J. NFHS (National Federation of State High School Associations) Performing Arts Aerosol Study - preliminary results:

[https://www.nfhs.org/media/4029952/preliminary-testing-report-7-13-20.pdf?fbclid=IwAR0IO6yD7E02mCdvOPYqkvh5Rem1ghk7Y5OUj\\_wn\\_xQE5aEsCmlSvNoA\\_Q](https://www.nfhs.org/media/4029952/preliminary-testing-report-7-13-20.pdf?fbclid=IwAR0IO6yD7E02mCdvOPYqkvh5Rem1ghk7Y5OUj_wn_xQE5aEsCmlSvNoA_Q)

*Related:* The Center for Sustainability in the Built Environment at the University of Maryland (City@UMD) – Covid-19 Infection Risk Scenarios (Indoor Presenter):

<https://city.umd.edu/covid-19>

*Related:* NFHS press release (July 15, 2020):

<https://www.nfhs.org/articles/unprecedented-international-coalition-led-by-performing-arts-organizations-to-commission-covid-19-study/>

Colorado State University Aerosol Emissions Study (ongoing):

<https://smt.d.colostate.edu/reducing-bioaerosol-emissions-and-exposures-in-the-performing-arts/>

*Related:* CSU study article:

<https://source.colostate.edu/enter-cautiously-csu-study-looks-at-how-the-performing-arts-can-return-in-a-healthy-manner-during-covid-19-pandemic/?fbclid=IwAR13drZYNxz6kBMSKJLW93DBQUJqPjUir7mtYrSGugOgAr5VEzEiL6LeNxA>

U.K. Gov't guidelines for the performing arts (orig publ May 11 - updated July 9, 2020):  
<https://www.gov.uk/guidance/working-safely-during-coronavirus-covid-19/performing-arts>

**New studies/articles:**

Bachtrack website article. The science for restarting live performance: Declan Costello (July 16, 2020):  
[https://bachtrack.com/interview-the-science-of-restarting-live-performance-declan-costello-july-2020/amp=1?\\_twitter\\_impression=true](https://bachtrack.com/interview-the-science-of-restarting-live-performance-declan-costello-july-2020/amp=1?_twitter_impression=true)

Edmonton Journal article. Choral conundrum: Assessing the art of song circa COVID-19 (July 9, 2020):  
<https://edmontonjournal.com/news/local-news/choral-conundrum-how-dangerous-is-the-art-of-song/wcm/07d39e35-34b5-47cd-8626-b855c93b4713/>