Some Worthwhile Scientific Studies on Wind Turbine Noise

The health consequences to people living near industrial wind projects can be substantial — particularly from infrasound. Of course not everyone is equally affected, just like some people who smoke do not get sick. These sample studies are arranged in chronological order. That should give the careful reader a good idea about how the understanding of this health issue has progressed over the last 20± years.

Effects of the wind profile at night on wind turbine sound: van den Berg (2003)
An investigation into Wind Turbines and Noise: The Noise Association (2006)
Human response to wind turbine noise: Pedersen (2007)
Disconnect between Turbine Noise Guidelines and Health Recommendations: Harrison (2008)
Siting Turbines to Prevent Health Risks from Sound: James (2008)
Response To Noise From Modern Wind Farms in The Netherlands: Bakker, et al (2009)
Wind Turbine Noise - Sleep and Health: Hanning (2010)
Wind Turbine Noise - What Audiologists Should Know: Punch, et al (2010)
An Infrasound and Low Frequency Noise Study: McPherson (2011)
Wind Farm Generated Noise and Adverse Health Effects: Thorne (2012)
Wind Turbine Noise Study: Acoustic Ecology Institute (2012)
Windfarms Noise: Shepherd, Hanning, Thorne (2012)
Adverse Health Effects of Industrial Wind Turbines: Jeffery, et al (2013)
Wind Turbine Noise Complaint Predictions Made Easy: Rand & Ambrose (2014)
Health Effects Related to Wind Turbine Noise Exposure: A Systematic Review: Schmidt (2014)
Wind Turbines can be Hazardous to Human Health: Salt (2014)
Wind Turbine Amplitude Modulation and Planning Control Study: Hanning (2015)
Infrasound: Low Frequency Noise and Industrial Wind Turbines: Stelling (2015)
Infrasound from Turbines Has Adverse Health Impacts: Nikula (2015)
Impact of Wind Turbine Sound on Health, Sleep Disturbance, etc: Abbasi, et al (2015)
Wind Turbine Noise and Human Health— Four Decades: Punch & James (2016)
Altered Cortical & Subcortical Connectivity: Wind Turbines: Bauer, et al (2017)
Subjective Perception of Wind Turbine Noise — The Stereo Approach: Cooper& Chan (2017)
Concerns Regarding Wind Turbines and Human Health: Bray (2018)
Acoustics and Biological Structures: Pereira, et al (2019)
The Impact of Wind Turbines on Suicides: Zou (2020)
Long-term quantification of wind farm noise amplitude modulation: Nguyen (2021)
Effects of low-frequency noise from wind turbines on heart rate variability in healthy individuals: Chiu (2021)
Court orders wind developer to pay $260,000 to neighbors, for noise (2022)

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