

**The effects of acute respiratory illness on exercise and sports performance outcomes in athletes – a systematic review by a subgroup of the IOC consensus group on “Acute respiratory illness in the athlete”**

**Supplementary File 2: Search terms and results of literature search**

Search string	Database or further sources	Results	Date
<p>((((respiratory tract diseases[MeSH Terms]) AND ((athlet* OR exercis* OR “athletic population” OR “sports population” OR “active population” OR “active individual*” OR military))) AND athletic performance[MeSH Terms]) NOT ((COPD OR “chronic obstructive pulmonary disease” OR cancer OR animal* OR HIV OR “human immunodeficiency virus” OR AIDS OR “acquired immunodeficiency syndrome” OR post-operative OR pre-operative OR radiation OR food OR “Bone Density” OR “Bone Remodeling” OR “Intramuscular Absorption” OR “Taxis Response” OR “Chemotaxis” OR “Escape Reaction” OR Phototaxis OR “Flight, Animal” OR “Freezing Reaction, Cataleptic” OR “Immobility Response, Tonic” OR “Organ Motion” OR “Uterine Contraction” OR “Musculoskeletal Development” OR “Posture” OR “cystic fibrosis” OR chronic OR heat OR cold OR “Bovine Respiratory Disease Complex”)))</p> <p><i>Filters applied: Humans, English, from 1990/1/1 - 2020/7/31.</i></p>	Pubmed	516	2022-01-22
<p>humans or people AND (Rhinovirus OR Parainfluenza OR Adenovirus OR coronavirus OR “human metapneumovirus” OR enterovirus OR “respiratory syncytial virus” OR “bordetella pertussis” OR “chlamydomphila pneumoniae” OR “mycoplasma pneumoniae” OR Rhinitis OR influenza OR “common cold” OR flu OR sinusitis OR “rhino sinusitis” OR “acute pharyngitis” OR tonsillitis OR pharyngitis OR epiglottitis OR laryngitis OR pneumonia OR bronchitis OR “lung disease” OR “Respiratory tract disease*” OR “Respiratory illness*” OR “Respiratory tract infection*” OR “respiration disorder*” OR “respiratory system disease*” OR “upper respiratory tract illness*” OR “upper respiratory tract disease*” OR “Lower respiratory tract illness*” OR “Lower respiratory tract disease*” OR “Viral disease*” OR “pulmonary tuberculosis” OR “laryngopharyngeal reflux” OR “supraesophageal reflux” OR “non-infective acute respiratory illness” OR “non-infective acute respiratory disease*” OR “non-infective acute respiratory tract disease” OR “air pollution” OR weather OR chlorin* OR “air quality” OR rhinoconjunctivitis) AND (athlet* OR sports OR exercis* OR “athletic population” OR “sports population” OR “active population” OR “active individual*” OR military) AND (“performance indicators” OR “exercise performance” OR “athletic performance” OR “cardiorespiratory fitness” OR “fitness” OR “aerobic capacity” OR “physical endurance” OR “physical activity”</p>	EBSCOhost	875	2022-01-22

<p>OR “physical performance” OR “athlete availability” OR “endurance” OR “muscle endurance” OR “physical fitness” OR “performance analytics” OR “team behaviour” OR “exercise measures” OR “strength” OR “muscle strength” OR “speed” OR “pulmonary function” OR “lung function” OR “balance” OR “neuromuscular control” OR “stability” OR “agility” OR “power” OR “muscle power” OR “psychomotor performance” OR “motor performance” OR “motor skill” OR “sensory motor performance” OR “coordination” OR “motor coordination”)</p> <p>NOT (COPD OR “chronic obstructive pulmonary disease” OR cancer OR animal* OR HIV OR “human immunodeficiency virus” OR AIDS OR “acquired immunodeficiency syndrome” OR postoperative OR preoperative OR radiation OR food OR “Bone Density” OR “Bone Remodeling” OR “Intramuscular Absorption” OR “Taxis Response” OR “Chemotaxis” OR “Escape Reaction” OR Phototaxis OR “Flight, Animal” OR “Freezing Reaction, Cataleptic” OR “Immobility Response, Tonic” OR “Organ Motion” OR “Uterine Contraction” OR “Musculoskeletal Development” OR “Posture” OR “cystic fibrosis” OR chronic OR heat OR cold OR “Bovine Respiratory Disease Complex”)</p> <p><b>Limiters - Full Text; Published Date: 19900101-20200731; Document Type: Article; Language: English</b></p> <p><b>Search modes - Boolean/Phrase</b></p>			
<p>(((((ALL=(human)) AND TS=((Rhinovirus OR Parainfluenza OR Adenovirus OR coronavirus OR “human metapneumovirus” OR enterovirus OR “respiratory syncytial virus” OR “bordetella pertussis” OR “chlamydomydia pneumoniae” OR “mycoplasma pneumoniae” OR Rhinitis OR influenza OR “common cold” OR flu OR sinusitis OR “rhino sinusitis” OR “acute pharyngitis” OR tonsillitis OR pharyngitis OR epiglottitis OR laryngitis OR pneumonia OR bronchitis OR “lung disease” OR “Respiratory tract disease*” OR “Respiratory illness*” OR “Respiratory tract infection*” OR “respiration disorder*” OR “respiratory system disease*” OR “upper respiratory tract illness*” OR “upper respiratory tract disease*” OR “Lower respiratory tract illness*” OR “Lower respiratory tract disease*” OR “Viral disease*” OR “pulmonary tuberculosis” OR “laryngopharyngeal reflux” OR “supraesophageal reflux” OR “non-infective acute respiratory illness” OR “non-infective acute respiratory disease*” OR “non-infective acute respiratory tract disease” OR “air pollution” OR weather OR chlorin* OR “air quality” OR rhinoconjunctivitis) )) AND TS=((athlet* OR sports OR exercis* OR “athletic population” OR “sports population” OR “active population” OR “active individual*” OR military))) AND TS=((“performance indicators” OR “exercise performance” OR “athletic performance” OR “cardiorespiratory fitness” OR “fitness” OR “aerobic capacity” OR “physical endurance” OR “physical activity” OR “physical performance” OR “athlete availability” OR “endurance” OR “muscle endurance” OR “physical fitness” OR “performance analytics” OR “team behaviour” OR “exercise measures” OR “strength” OR “muscle strength” OR</p>	<p>Web of Science</p>	<p>285</p>	<p>2022-01-22</p>

<p>“speed” OR “pulmonary function” OR “lung function” OR “balance” OR “neuromuscular control” OR “stability” OR “agility” OR “power” OR “muscle power” OR “psychomotor performance” OR “motor performance” OR “motor skill” OR “sensory motor performance” OR “coordination” OR “motor coordination”)) NOT TS=((COPD OR “chronic obstructive pulmonary disease” OR cancer OR animal* OR HIV OR “human immunodeficiency virus” OR AIDS OR “acquired immunodeficiency syndrome” OR postoperative OR preoperative OR radiation OR food OR “Bone Density” OR “Bone Remodeling” OR “Intramuscular Absorption” OR “Taxis Response” OR “Chemotaxis” OR “Escape Reaction” OR Phototaxis OR “Flight, Animal” OR “Freezing Reaction, Cataleptic” OR “Immobility Response, Tonic” OR “Organ Motion” OR “Uterine Contraction” OR “Musculoskeletal Development” OR “Posture” OR “cystic fibrosis” OR chronic OR heat OR cold OR “Bovine Respiratory Disease Complex”))</p> <p><b><i>Refined by: Document types: Articles; Languages: English; Timespan: 1990-01-01 to 2020-07-31</i></b></p>			
Further sources	Other	3	2020-02-12
Further sources	Other	2	2020-04-27
Further sources	Other	4	2021-01-19
Further sources	Other	1	2021-07-01
Further sources	Other	7	2022-01-22