



## ERS literature update September-October 2024

Composed for group 1.02 by Anouk W. Vaes, PhD and Sarah Houben-Wilke, PhD of the Department of Research and Development in Ciro, Horn, The Netherlands

### PULMONARY REHABILITATION

#### **Road to referral success in COPD: Enhancing patient engagement through dedicated conversations about pulmonary rehabilitation programs.**

Hug S, Cavalheri V, Hill K, Gucciardi DF.

Respir Med. 2024 Aug 30:107790. doi: 10.1016/j.rmed.2024.107790. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39218320/>

#### **Effect of pulmonary rehabilitation duration on exercise capacity and health-related quality of life in people with chronic obstructive pulmonary disease (PuRe Duration Trial): A randomized controlled equivalence trial.**

Bishop JA, Spencer LM, Dwyer TJ, McKeough ZJ, McAnulty A, Leung R, Alison JA.

Respirology. 2024 Sep 3. doi: 10.1111/resp.14820. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39228164/>

#### **Effect of Hope Theory combined with active cycle of breathing techniques on pulmonary rehabilitation among COPD patients: A quasi-experiment study.**

Li M, An X, Wang Q, Ma J, Wang Y, Ma J.

Appl Nurs Res. 2024 Oct;79:151842. doi: 10.1016/j.apnr.2024.151842. Epub 2024 Aug 26.

<https://pubmed.ncbi.nlm.nih.gov/39256012/>

#### **A shared decision-making intervention for individuals living with chronic obstructive pulmonary disease who are considering the menu of pulmonary rehabilitation treatment options; a feasibility study.**

Barradell AC, Doe G, Bekker HL, Houchen-Wolloff L, Robertson N, Singh SJ.

Chron Respir Dis. 2024 Jan-Dec;21:14799731241238428. doi: 10.1177/14799731241238428.

<https://pubmed.ncbi.nlm.nih.gov/39254860/>

#### **Applying behavioral change theories to optimize pulmonary rehabilitation in COPD patients: A review.**

Chen Y, Tan R, Long X, Tu H.

Medicine (Baltimore). 2024 May 31;103(22):e38366. doi: 10.1097/MD.00000000000038366

<https://pubmed.ncbi.nlm.nih.gov/39259106/>

#### **Efficacy of respiratory support therapies during pulmonary rehabilitation exercise training in chronic obstructive pulmonary disease patients: a systematic review and network meta-analysis.**

Chen X, Xu L, Li S, Yang C, Wu X, Feng M, Wu Y, Zhu J.

BMC Med. 2024 Sep 12;22(1):389. doi: 10.1186/s12916-024-03605-7.

<https://pubmed.ncbi.nlm.nih.gov/39267046/>

**Exploring the Promising Impact of Pulmonary Rehabilitation on Gait and Balance in Patients With COPD: A Systematic Review and Meta-Analysis.**

Khosravi M, Naimi SS, Shokouhyan SM, Nemati A, Abedi M.

J Cardiopulm Rehabil Prev. 2024 Sep 24. doi: 10.1097/HCR.0000000000000900. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39311644/>

**A Network Meta-Analysis of Aerobic, Resistance, Endurance, and High-Intensity Interval Training to Prioritize Exercise for Stable COPD.**

Tian X, Liu F, Li F, Ren Y, Shang H.

Int J Chron Obstruct Pulmon Dis. 2024 Sep 16;19:2035-2050. doi: 10.2147/COPD.S476256. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39309599/>

**Efficacy of pulmonary rehabilitation in patients with chronic obstructive pulmonary disease and obstructive sleep apnea; a randomized controlled trial.**

Shen H, Xu Y, Zhang Y, Ren L, Chen R.

J Rehabil Med. 2024 Sep 24;56:jrm23757. doi: 10.2340/jrm.v56.23757.

<https://pubmed.ncbi.nlm.nih.gov/39318173/>

**Characterizing pulmonary rehabilitation referrals from primary care.**

Cox NS, Barton C, Bondarenko J, Clark R, Perryman J, Holland AE.

Respir Med. 2024 Sep 27:107822. doi: 10.1016/j.rmed.2024.107822. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39343414/>

**Immediate and One-Year Outcomes of an Asthma-Tailored Pulmonary Rehabilitation Programme in Overweight and Obese People with Difficult-to-Treat Asthma.**

Ricketts HC, Sharma V, Steffensen F, Mackay E, MacDonald GW, Buchan DS, Lean M, Chaudhuri R, Cowan DC.

J Asthma Allergy. 2024 Sep 25;17:911-928. doi: 10.2147/JAA.S466894. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39346093/>

**The benefits of early pulmonary rehabilitation with incentive spirometer among chronic obstructive pulmonary disease patients with exacerbation of chronic obstructive pulmonary disease.**

Andrea Ban YL, Siti Istiana AS, Nik Nuratiqah NA, Ng BH, Rose Azzlinda O, Hasni J, Syed Zulkifli SZ.

Med J Malaysia. 2024 Sep;79(5):561-568.

<https://pubmed.ncbi.nlm.nih.gov/39352158/>

**Participant-selected music listening during pulmonary rehabilitation in people with chronic obstructive pulmonary disease: A randomised controlled trial.**

Lee AL, Butler SJ, Jung P, Clark IN, Tamplin J, Goldstein RS, Brooks D.

Chron Respir Dis. 2024 Jan-Dec;21:14799731241291065. doi: 10.1177/14799731241291065.

<https://pubmed.ncbi.nlm.nih.gov/39367818/>

**Pulmonary Rehabilitation for Diseases Other Than COPD.**

Menson KE, Dowman L.

J Cardiopulm Rehabil Prev. 2024 Oct 10. doi: 10.1097/HCR.0000000000000915. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39388147/>

**The application effect of a pulmonary rehabilitation program based on empowerment theory for patients with COPD combined with heart failure.**

Zhang Y, Gu C, Sun L, Hai H.

Medicine (Baltimore). 2024 Oct 11;103(41):e40067. doi: 10.1097/MD.00000000000040067.

<https://pubmed.ncbi.nlm.nih.gov/39465839/>

**Immune system benefits of pulmonary rehabilitation in chronic obstructive pulmonary disease.**

Abbasi A, Wang D, Stringer WW, Casaburi R, Rossiter HB.

Exp Physiol. 2024 Oct 25. doi: 10.1113/EP091678. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39456127/>

**EXERCISE TESTING AND TRAINING**

**Effects of Heart Rate Variability (HRV) Biofeedback in Pulmonary Indicators and HRV Indices Among Patients with Chronic Obstructive Pulmonary Disease.**

Wu DW, Yang PC, Lin IM.

Appl Psychophysiol Biofeedback. 2024 Sep 10. doi: 10.1007/s10484-024-09664-z. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39254863/>

**Observing the effect of timed incentive respiratory training combined with resistance exercise using elastic bands on pulmonary function rehabilitation in elderly COPD patients.**

Fu J, Li Y, Kang X, Gao L, Yan J, Li Y, Gao N, Bai J, Yang J.

Minerva Surg. 2024 Sep 11. doi: 10.23736/S2724-5691.24.10515-1. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39259157/>

**Impact of lung-strengthening breathing exercises on the rehabilitation of patients in the stable phase of chronic obstructive pulmonary disease.**

Du Y, Liang X, Fang X, Wu M.

Asian J Surg. 2024 Sep 12:S1015-9584(24)01797-4. doi: 10.1016/j.asjsur.2024.08.055. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39266339/>

**Benefits of chest wall mobilization on respiratory efficiency and functional exercise capacity in people with severe chronic obstructive pulmonary disease (COPD): A randomized controlled trial.**

Tsui AYY, Cheing GLY, Chau RMW, Mok TYW, Ling SO, Kwan CHY, Tsang SMH.

Respirology. 2024 Sep 16. doi: 10.1111/resp.14831. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39285607/>

**Effects of scapulothoracic exercises on chest mobility, respiratory muscle strength, and pulmonary function in male COPD patients with forward shoulder posture: A randomized controlled trial.**

Thongchote K, Chinwaro U, Lapmanee S.

F1000Res. 2024 Aug 20;11:1284. doi: 10.12688/f1000research.126832.2. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/39281331/>

**Muscle endurance, neuromuscular fatigability, and cognitive control during prolonged dual-task in people with chronic obstructive pulmonary disease: a case-control study.**

Chatain C, Vallier JM, Paleiron N, Cucchietti Waltz F, Ramdani S, Gruet M.

Eur J Appl Physiol. 2024 Sep 21. doi: 10.1007/s00421-024-05608-x. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39305368/>

**Impact of Real-Time Assessment of Pulse Oximetry on the 6-Min Walk Distance in Patients With Chronic Respiratory Disease.**

Wagner LE, Rosa GH, Plachi F, da Silva AB, Imperador ADS, de Azevedo AC, Gazzana MB, Neder JA, Berton DC.

Respir Care. 2024 Sep 26;69(10):1294-1304. doi: 10.4187/respcare.11751.

<https://pubmed.ncbi.nlm.nih.gov/38834198/>

**RESP-FIT: A Technology-Enhanced Combined Inspiratory and Expiratory Muscle Strength Training Intervention for Adults With COPD.**

Miller SN, Mueller M, Nichols M, Teufel RJ 2nd, Layne DM, Strange C, Madisetti M, Pittman M, Kelechi TJ, Davenport PW.

Chronic Obstr Pulm Dis. 2024 Oct 2. doi: 10.15326/jcopdf.2024.0523. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39357505/>

**Relationships between life-space mobility, physical function, and empowerment in patients with chronic obstructive pulmonary disease.**

Anami K, Tsubouchi Y, Furukawa T, Saruwatari S, Oiwa R, Kotani S, Yamazaki T, Watanabe H, Horie J.

J Phys Ther Sci. 2024 Oct;36(10):642-646. doi: 10.1589/jpts.36.642. Epub 2024 Oct 1.

<https://pubmed.ncbi.nlm.nih.gov/39354920/>

**Long-term self-reported attendance in exercise training or lung choir and status of quality of life following initial pulmonary rehabilitation for COPD.**

Kaasgaard M, Bodtger U, Skou ST, Clift S, Hilberg O, Rasmussen DB, Løkke A.

Front Rehabil Sci. 2024 Sep 19;5:1447765. doi: 10.3389/fresc.2024.1447765. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39363990/>

**Pulmonary vascular structure and function are related to exercise capacity in health and COPD.**

Collins SÉ, Kirby M, Smith BM, Tan W, Bourbeau J, Thompson S, van Diepen S, Jensen D, Stanojevic S, Stickland MK; CanCOLD Collaborative Research Group and the Canadian Respiratory Research Network.  
Chest. 2024 Oct 3;S0012-3692(24)05284-X. doi: 10.1016/j.chest.2024.09.027. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39368737/>

**Association between handgrip strength and small airway disease in patients with stable chronic obstructive pulmonary disease.**

Keawon T, Saiphoklang N.

Ther Adv Respir Dis. 2024 Jan-Dec;18:17534666241281675. doi: 10.1177/17534666241281675.

<https://pubmed.ncbi.nlm.nih.gov/39367749/>

**Effects and mechanisms of supramaximal high-intensity interval training on extrapulmonary manifestations in people with and without chronic obstructive pulmonary disease (COPD-HIIT): study protocol for a multi-centre, randomized controlled trial.**

Jakobsson J, Burtin C, Hedlund M, Boraxbekk CJ, Westman J, Karalija N, Stål P, Sandström T, Ruttens D, Gosker HR, De Brandt J, Nyberg A.

Trials. 2024 Oct 8;25(1):664. doi: 10.1186/s13063-024-08481-3.

<https://pubmed.ncbi.nlm.nih.gov/39375781/>

**The effect of graded exercise therapy on fatigue in people with serious respiratory illness: a systematic review.**

Burge AT, Gadowski AM, Romero L, Vaghegini G, Spathis A, Smallwood NE, Ekström M, Holland AE.

Eur Respir Rev. 2024 Oct 9;33(174):240027. doi: 10.1183/16000617.0027-2024. Print 2024 Oct.

<https://pubmed.ncbi.nlm.nih.gov/39384307/>

**The one-minute sit-to-stand test: A practical tool for assessing functional exercise capacity in patients with COPD in routine clinical practice.**

Mellaerts P, Demeyer H, Blondeel A, Vanhoutte T, Breuls S, Wuyts M, Coosemans I, Claes L, Vandenberghe N, Beckers K, Bossche LV, Stylemans D, Janssens W, Everaerts S, Troosters T.

Chron Respir Dis. 2024 Jan-Dec;21:14799731241291530. doi: 10.1177/14799731241291530.

<https://pubmed.ncbi.nlm.nih.gov/39400070/>

**Handgrip Evaluation Before and After Pulmonary Rehabilitation Therapy in Patients With Chronic Obstructive Pulmonary Disease (COPD).**

Diaz Posada NA, Cano Rosales DJ, Amaya Muñoz MC, Buitrago Gomez MA, Villabona SJ, Camacho López PA.

Cureus. 2024 Sep 14;16(9):e69404. doi: 10.7759/cureus.69404. eCollection 2024 Sep.

<https://pubmed.ncbi.nlm.nih.gov/39403653/>

**Effectiveness of a 12-week combining tai chi and yoga program on pulmonary function and functional fitness in COPD patients.**

Phantayuth D, Chuaychoo B, Supaporn S, Nana A, Ramyarangsi P, Ajjimaporn A.

Respir Med. 2024 Oct 19;234:107842. doi: 10.1016/j.rmed.2024.107842. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39433109/>

**Correlation between handgrip strength and air trapping in patients with stable chronic obstructive pulmonary disease.**

Saiphoklang N, Tirakitpanich K.

J Thorac Dis. 2024 Sep 30;16(9):5634-5642. doi: 10.21037/jtd-24-631.

<https://pubmed.ncbi.nlm.nih.gov/39444886/>

**Effect of exercise interventions on oxygen uptake in people with chronic obstructive pulmonary disease: A network meta-analysis of randomized controlled trials.**

Priego-Jiménez S, Lucerón-Lucas-Torres M, Ruiz-Grao MC, Guzmán-Pavón MJ, Lorenzo-García P, Araya-Quintanilla F, Álvarez-Bueno C.

Ann Phys Rehabil Med. 2024 Oct 29;67(8):101875. doi: 10.1016/j.rehab.2024.101875. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39476768/>

## PHYSICAL ACTIVITY

**Processing of Sedentary Time and Its Reference Equation in Patients with COPD.**

Minakata Y, Sasaki S, Murakami Y, Kawabe K, Ono H.

Int J Chron Obstruct Pulmon Dis. 2024 Aug 27;19:1931-1942. doi: 10.2147/COPD.S474273. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39219565/>

**Tracking Real-World Physical Activity in Chronic Obstructive Pulmonary Disease Over One Year: Results from a Monocentric, Prospective, Observational Cohort Study.**

Boesch M, Baty F, Bilz S, Brutsche MH, Rassouli F.

Int J Chron Obstruct Pulmon Dis. 2024 Aug 27;19:1921-1929. doi: 10.2147/COPD.S469984. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39219563/>

**The Impact of Leisure-Time Physical Activity and Sedentary Behavior on Mortality in Patients with Chronic Obstructive Pulmonary Disease.**

Yuan L, Zhang L, Wang Y, Zhao P, Xie X, Cao D.

Am J Phys Med Rehabil. 2024 Aug 26. doi: 10.1097/PHM.0000000000002612. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39235866/>

**Nutritional Support and Physical Activity Intervention Programs with a Person-Centred Approach in People with Chronic Obstructive Pulmonary Disease: a Scoping Review.**

Hansen TS, Poulsen I, Nørholm V, Loft MI, Jensen PS.

Int J Chron Obstruct Pulmon Dis. 2024 Oct 2;19:2193-2216. doi: 10.2147/COPD.S458289. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39371918/>

**Determinant factors of sedentary time in individuals with COPD.**

Tofoli TM, Santin L, Medeiros L, Silva H, Garcia IO, Camillo CA, Furlanetto KC, Hernandez NA, Pitta F.

Respir Med. 2024 Oct 13;107839. doi: 10.1016/j.rmed.2024.107839. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39406281/>

**Physical activity and idiopathic pulmonary fibrosis: A prospective cohort study in UK Biobank and Mendelian randomization analyses.**

Liang Q, Sun G, Deng J, Qian Q, Wu Y.

Respir Med Res. 2024 Oct 5;86:101141. doi: 10.1016/j.resmer.2024.101141. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39413579/>

**Association of Physical Activity with Asthma and Chronic Obstructive Pulmonary Disease and Mediation of Frailty: Mendelian Randomization Analyses.**

Chen N, Si X, Wang J, Chen W.

Int J Chron Obstruct Pulmon Dis. 2024 Oct 16;19:2309-2320. doi: 10.2147/COPD.S475714. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39429808/>

**Short-term effects on physical activity level with web-based self-management support in people with COPD: a randomised controlled trial.**

Stenlund T, Karlsson Å, Liv P, Nyberg A, Wadell K.

NPJ Prim Care Respir Med. 2024 Oct 24;34(1):32. doi: 10.1038/s41533-024-00394-7.

<https://pubmed.ncbi.nlm.nih.gov/39448611/>

**TELEMEDICINE**

**Remote Patient Monitoring and Machine Learning in Acute Exacerbations of Chronic Obstructive Pulmonary Disease: Dual Systematic Literature Review and Narrative Synthesis.**

Glyde HMG, Morgan C, Wilkinson TMA, Nabney IT, Dodd JW.

J Med Internet Res. 2024 Sep 9;26:e52143. doi: 10.2196/52143.

<https://pubmed.ncbi.nlm.nih.gov/39250789/>

**Needed competence for registered nurses working at a patient-centred telehealth service aimed to engage and empower people living with COPD: A five-month participatory observational study.**

Schmidt CW, Wegener EK, Kayser L.

Appl Nurs Res. 2024 Oct;79:151828. doi: 10.1016/j.apnr.2024.151828.

<https://pubmed.ncbi.nlm.nih.gov/39256017/>

**The Potential Use and Value of a Wearable Monitoring Bracelet for Patients With Chronic Obstructive Pulmonary Disease: Qualitative Study Investigating the Patient and Health Care Professional Perspectives.**

Debeij SM, Aardoom JJ, Haaksma ML, Stoop WAM, van Dam van Isselt EF, Kasteleyn MJ.

JMIR Form Res. 2024 Sep 13;8:e57108. doi: 10.2196/57108.

<https://pubmed.ncbi.nlm.nih.gov/39270210/>

**The Impact of Different Telerehabilitation Methods on Peripheral Muscle Strength and Aerobic Capacity in COPD Patients: A Randomized Controlled Trial.**

Ataç A, Pehlivan E, Karaahmetoğlu FS, Özcan ZB, Çınarka H, Çörtük M, Baydili KN, Çetinkaya E.

Adv Respir Med. 2024 Sep 20;92(5):370-383. doi: 10.3390/arm92050035.

<https://pubmed.ncbi.nlm.nih.gov/39311114/>

**Digital health delivery in respiratory medicine: adjunct, replacement or cause for division?**

Ottewill C, Gleeson M, Kerr P, Hale EM, Costello RW.

Eur Respir Rev. 2024 Sep 25;33(173):230251. doi: 10.1183/16000617.0251-2023.

<https://pubmed.ncbi.nlm.nih.gov/39322260/>

**Study protocol for a single-arm pilot trial investigating the feasibility of a multimodal digital technology for managing metabolic syndrome in patients with chronic obstructive pulmonary disease.**

da Silva BR, Radil AI, Collins L, Maeda N, Prado CM, Ferguson-Pell M, Klein D.

Methods. 2024 Oct 8:S1046-2023(24)00220-2. doi: 10.1016/j.ymeth.2024.10.003. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39389402/>

**The effect of telemedicine employing telemonitoring instruments on readmissions of patients with heart failure and/or COPD: a systematic review.**

Stergiopoulos GM, Elayadi AN, Chen ES, Galiatsatos P.

Front Digit Health. 2024 Sep 25;6:1441334. doi: 10.3389/fdgth.2024.1441334. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39386390/>

**Effectiveness and cost-effectiveness of an integrated digital psychological intervention (EmoEase) in Chinese chronic obstructive pulmonary disease patients: Study protocol of a randomized controlled trial.**

Chen S, Chen W, Li Y, Yu Y, Chen Q, Jiao L, Huang K, Tong X, Geldsetzer P, Bunker A, Fang X, Jing S, Liu Y, Li Y, He L, Wang C, Wang W, Zheng Z, Zhang S, Zhao J, Yang T, Bärnighausen T, Wang C.

Digit Health. 2024 Oct 1;10:20552076241277650. doi: 10.1177/20552076241277650. eCollection 2024 Jan-Dec.

<https://pubmed.ncbi.nlm.nih.gov/39381816/>

**The Experiences and Perceptions of Telehealth in Patients Living With Advanced Chronic Obstructive Pulmonary Disease: A Qualitative Evidence Synthesis.**

O'Connor Ú, Crilly G.

J Adv Nurs. 2024 Oct 18. doi: 10.1111/jan.16493. Online ahead of print.



<https://pubmed.ncbi.nlm.nih.gov/39420778/>

**Public mobile chronic obstructive pulmonary disease applications for self-management: Patients and healthcare professionals' perspectives.**

Quach S, Benoit A, Packham TL, Goldstein R, Brooks D.  
Health Informatics J. 2024 Oct-Dec;30(4):14604582241292206. doi:  
10.1177/14604582241292206.

<https://pubmed.ncbi.nlm.nih.gov/39450587/>

**Assessment of Medication Adherence Using Mobile Applications in Chronic Obstructive Pulmonary Disease: A Scoping Review.**

Machado B, Quimbaya P, Bustos RH, Jaimes D, Cortes K, Vargas D, Perdomo L.  
Int J Environ Res Public Health. 2024 Sep 24;21(10):1265. doi: 10.3390/ijerph21101265.

<https://pubmed.ncbi.nlm.nih.gov/39457240/>

**Study protocol for evaluating the efficacy of early pulmonary rehabilitation combined with an internet-based patient management model in patients with COPD: a practical, multicentre, randomised controlled study from China.**

Ye W, Danye L, Jingjing C, Siyu Z, Jiayi W, Siyuan W, Hongmei Z, Chen W.  
ERJ Open Res. 2024 Oct 28;10(5):00995-2023. doi: 10.1183/23120541.00995-2023.  
eCollection 2024 Sep.

<https://pubmed.ncbi.nlm.nih.gov/39469268/>

**Rationale and design of healthy at home for COPD: an integrated remote patient monitoring and virtual pulmonary rehabilitation pilot study.**

O'Connor L, Behar S, Tarrant S, Stamegna P, Pretz C, Wang B, Savage B, Scornavacca TT, Shirshac J, Wilkie T, Hyder M, Zai A, Toomey S, Mullen M, Fisher K, Tigas E, Wong S, McManus DD, Alper E, Lindenauer PK, Dickson E, Broach J, Kheterpal V, Soni A.  
Pilot Feasibility Stud. 2024 Oct 28;10(1):131. doi: 10.1186/s40814-024-01560-x.

<https://pubmed.ncbi.nlm.nih.gov/39468649/>

**PATIENT REPORTED OUTCOME MEASURES**

**Psychometric properties of computerized adaptive testing for chronic obstructive pulmonary disease patient-reported outcome measurement.**

Wang J, Xie Y, Feng Z, Li J.  
Health Qual Life Outcomes. 2024 Sep 4;22(1):73. doi: 10.1186/s12955-024-02291-6.

<https://pubmed.ncbi.nlm.nih.gov/39227972/>

**Dynamic changes in quality of life in older patients with chronic obstructive pulmonary disease: a 7-year follow up.**

Yu CH, Tsai SH, Hung JY, Su PF, Hsu CH, Liao XM, Hsiue TR, Chen CZ.  
Health Qual Life Outcomes. 2024 Sep 11;22(1):76. doi: 10.1186/s12955-024-02296-1.

<https://pubmed.ncbi.nlm.nih.gov/39256723/>

**Effect of Hospital-to-Home Transitional Care for COPD on Patient-Centered Outcomes.**

Park Y, Kim WJ, Han SS, Heo YJ, Moon DH, Kwon O, Lee MG, Hong JY, Lee CY, Hwang YS, Kim SK, Jo HS.

Respir Care. 2024 Sep 10;respcare.11924. doi: 10.4187/respcare.11924. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39256003/>

**Validation of the Late-Life Function and Disability Instrument in People Living with COPD.**

Blondeel A, Demeyer H, Alcaraz-Serrano V, BATTERY SC, Buekers J, Chynkiamis N, Josa-Culleré A, Delgado-Ortiz L, Frei A, Glorie L, Gimeno-Santos E, Hopkinson N, Hume E, Jansen CP, Kirsten A, Koch S, Megaritis D, Mellaerts P, Puhan MA, Rochester L, Vogiatzis I, Watz H, Wuyts M, Garcia-Aymerich J, Troosters T.

Ann Am Thorac Soc. 2024 Sep 23. doi: 10.1513/AnnalsATS.202404-432OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39311864/>

**Unveiling the burden of COPD: perspectives on a patient-reported outcome measure to support communication in outpatient consultations-an interview study among patients.**

Gronhaug LM, Farver-Vestergaard I, Frølund JC, Lindström Egholm C, Ottesen AL.

Front Rehabil Sci. 2024 Sep 2;5:1434298. doi: 10.3389/fresc.2024.1434298. eCollection 2024.

<https://pubmed.ncbi.nlm.nih.gov/39318539/>

**Responsiveness and minimal clinically important difference of the COPD Assessment Test in fibrotic interstitial lung disease.**

Matsuda T, Kondoh Y, Takei R, Sasano H, Fukihara J, Yamano Y, Yokoyama T, Kataoka K, Watanabe F, Kimura T.

Respir Investig. 2024 Sep 26;62(6):1088-1093. doi: 10.1016/j.resinv.2024.08.006. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39332275/>

**Physical and Mental Health Trajectories: A Longitudinal SF-36 Analysis in Alpha-1 Antitrypsin Deficiency-Associated COPD.**

Choate R, Holm KE, Sandhaus RA, Mannino DM, Strange C.

Respir Med. 2024 Oct 14:107838. doi: 10.1016/j.rmed.2024.107838. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39413887/>

**The use of respiratory patient reported outcome measures (PROMs) in the management of COPD: Perceptions of Australian osteopaths.**

Engel R, Baxter D, Muddle L, Vaughan B, Grace S.

Complement Ther Clin Pract. 2024 Oct 11;57:101918. doi: 10.1016/j.ctcp.2024.101918. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/39405596/>

**Using a Patient-Reported Outcome Measure to Assess Physical, Psychosocial, and Existential Issues in COPD.**

Darum Sørensen H, Egholm CL, Løkke A, Barna EN, Hougaard MS, Raunkjær M, Farver-Vestergaard I.

J Clin Med. 2024 Oct 18;13(20):6200. doi: 10.3390/jcm13206200.

<https://pubmed.ncbi.nlm.nih.gov/39458150/>

## INTERSTITIAL LUNG DISEASE

### **Understanding facilitators and barriers to oxygen therapy for patients with interstitial lung disease.**

Sharpe H, Rowland SD, Pooler C, Ferrara G, Johannson KA, Kalluri M, Mayers I, Stickland MK. BMJ Open Respir Res. 2024 Sep 1;11(1):e002339. doi: 10.1136/bmjresp-2024-002339.

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## EXACERBATIONS / HOSPITALISATIONS / MORTALITY

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