



## ERS literature update November-December 2022

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

#### **Effectiveness of Pulmonary Rehabilitation Performed Through Exercise Training for Patients with Stable COPD: A Meta-analysis of Randomized Controlled Trials.**

Zerbo Šporin D, Domjanič D, Žvanut B.

Zdr Varst. 2022 Sep 28;61(4):231-241. doi: 10.2478/sjph-2022-0031. eCollection 2022 Dec.

<https://pubmed.ncbi.nlm.nih.gov/36348964/>

#### **Osteosarcopenia in Patients with Chronic Obstructive Pulmonary Diseases: Which Pathophysiologic Implications for Rehabilitation?**

Lippi L, Folli A, Curci C, D'Abrosca F, Moalli S, Mezian K, de Sire A, Invernizzi M.

Int J Environ Res Public Health. 2022 Nov 2;19(21):14314. doi: 10.3390/ijerph192114314.

<https://pubmed.ncbi.nlm.nih.gov/36361194/>

#### **Three Weeks of Pulmonary Rehabilitation Do Not Influence Oscillometry Parameters in Postoperative Lung Cancer Patients.**

Kostorz-Nosal S, Jastrzębski D, Żebrowska A, Bartoszewicz A, Ziora D.

Medicina (Kaunas). 2022 Oct 28;58(11):1551. doi: 10.3390/medicina58111551.

<https://pubmed.ncbi.nlm.nih.gov/36363507/>

#### **Airflow grades, outcome measures and response to pulmonary rehabilitation in individuals after an exacerbation of severe chronic obstructive pulmonary disease.**

Vitacca M, Paneroni M, Salvi B, Spanevello A, Ceriana P, Bruschi C, Balbi B, Aliani M, Ambrosino N.

Eur J Intern Med. 2022 Nov 14:S0953-6205(22)00392-2. doi: 10.1016/j.ejim.2022.11.011.

Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36396523/>

#### **Effects of exercise-based home pulmonary rehabilitation on patients with chronic obstructive pulmonary disease: An overview of systematic review.**

Zheng J, Zhang Z, Han R, Zhang H, Deng J, Chai M.

PLoS One. 2022 Nov 17;17(11):e0277632. doi: 10.1371/journal.pone.0277632. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36395170/>

#### **Short-Term Health Outcomes of a Structured Pulmonary Rehabilitation Program Implemented within Rural Canadian Sites Compared with an Established Urban Site: A Pre-Post Intervention Observational Study.**

Etruw E, Fuhr D, Huynh V, Jourdain T, Deuchar L, Sharpe H, Dubois R, Damant R, Stickland MK.

Arch Phys Med Rehabil. 2022 Nov 15:S0003-9993(22)01710-5. doi: 10.1016/j.apmr.2022.10.011. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36400258/>

**Effect of Liuzijue on pulmonary rehabilitation in patients with chronic obstructive pulmonary disease: study protocol for a multicenter, non-randomized, prospective study.**

Hu J, Gao R, Wang Y, Li Y, Wang Y, Wang Z, Yang J.

BMC Complement Med Ther. 2022 Nov 17;22(1):296. doi: 10.1186/s12906-022-03789-6.

<https://pubmed.ncbi.nlm.nih.gov/36397066/>

**Promoting Participation in Pulmonary Rehabilitation following Hospitalization for Chronic Obstructive Pulmonary Disease, Strategies of Top-performing Systems: A Qualitative Study.**

Spitzer KA, Stefan MS, Priya A, Pack QR, Pekow PS, Lagu T, Mazor K, Pinto-Plata VM, Bradley K, Heineman B, ZuWallack RL, Lindenauer PK.

Ann Am Thorac Soc. 2022 Nov 30. doi: 10.1513/AnnalsATS.202203-237OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36449407/>

**Exercise rehabilitation in COPD and heart failure: comparison of two national audits.**

Jones AV, Evans RA, Harrison AS, Sherar LB, Steiner MC, Doherty P, Singh SJ.

ERJ Open Res. 2022 Nov 28;8(4):00131-2022. doi: 10.1183/23120541.00131-2022.

<https://pubmed.ncbi.nlm.nih.gov/36451843/>

**Frailty and rehabilitation outcome in older patients with cardiorespiratory disease: Preliminary multidimensional data.**

Vigorè M, Granata N, Callegari G, Vaninetti R, Conti S, Maestri R, Piaggi G, Cremonese G, Pierobon A.

Monaldi Arch Chest Dis. 2022 Dec 1. doi: 10.4081/monaldi.2022.2447. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36458416/>

**Access to Pulmonary Rehabilitation Among Medicare Beneficiaries with COPD.**

Malla G, Bodduluri S, Sthanam V, Sharma G, Bhatt SP.

Ann Am Thorac Soc. 2022 Dec 7. doi: 10.1513/AnnalsATS.202204-318OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36476450/>

**The presence of extra-pulmonary treatable traits increases the likelihood of responding to pulmonary rehabilitation.**

Souto-Miranda S, Rocha V, Mendes MA, Simão P, Martins V, Spruit MA, Marques A.

Respir Med. 2022 Dec 9;206:107086. doi: 10.1016/j.rmed.2022.107086. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36516547/>

**Maintenance Pulmonary Rehabilitation: Can We Keep the Good Times Rolling?**

Ramakrishnan S.

Chest. 2022 Dec;162(6):1227-1228. doi: 10.1016/j.chest.2022.09.006.

<https://pubmed.ncbi.nlm.nih.gov/36494120/>

**Elementary Pulmonary Rehabilitation Protocol to Ameliorate Functionality Level in Case of Pneumothorax Following Emphysema: A Case Report.**

Bhagwani RS, Yadav V, Dhait SR, Karanjkar SM, Nandanwar RR.

Cureus. 2022 Nov 12;14(11):e31421. doi: 10.7759/cureus.31421. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36523719/>

**Brain activity measured by functional brain imaging predicts breathlessness improvement during pulmonary rehabilitation.**

Finnegan SL, Browning M, Duff E, Harmer CJ, Reinecke A, Rahman NM, Pattinson KTS.

Thorax. 2022 Dec 26;thoraxjnl-2022-218754. doi: 10.1136/thorax-2022-218754. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36572534/>

**EXERCISE TESTING AND TRAINING**

**Effects of creative dance on functional capacity, pulmonary function, balance, and cognition in COPD patients: A randomized controlled trial.**

Kaya M, Gurses HN, Ucgun H, Okyaltirik F.

Heart Lung. 2022 Nov 3;58:13-20. doi: 10.1016/j.hrtlng.2022.10.017. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36335909/>

**Acute effects of NIV on peripheral muscle function and aerobic performance in patients with chronic obstructive pulmonary disease: a pilot study.**

de Medeiros Nogueira MG, Silva GAG, Marinho MHT, de Fátima Costa Brito O, de Brito Vieira WH, Ururahy MAG, Nogueira IDB, da Silva IS, de Miranda Silva Nogueira PA.

BMC Pulm Med. 2022 Nov 4;22(1):399. doi: 10.1186/s12890-022-02201-w.

<https://pubmed.ncbi.nlm.nih.gov/36333720/>

**Neuromuscular and acute symptoms responses to progressive elastic resistance exercise in patients with chronic obstructive pulmonary disease: Cross-sectional study.**

Calatayud J, Torres-Castro R, Vera-Urbe R, Olivares-Valenzuela Á, Guzmán-González B, Torres ME, Sepúlveda-Cáceres N, Andersen LL, Cruz-Montecinos C.

Front Med (Lausanne). 2022 Oct 26;9:934410. doi: 10.3389/fmed.2022.934410. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36388881/>

**Prediction of exercise-induced desaturation in COPD patients without resting hypoxemia: a retrospective study.**

Yang L, Shi M, Situ X, He J, Qumu S, Yang T.

BMC Pulm Med. 2022 Nov 8;22(1):405. doi: 10.1186/s12890-022-02174-w.

<https://pubmed.ncbi.nlm.nih.gov/36348483/>

**The role of structured exercise interventions on cognitive function in older individuals with stable Chronic Obstructive Pulmonary Disease: A scoping review.**

Eastus CC, Baez DE, Buckley ML, Lee J, Adami A.

Front Rehabil Sci. 2022 Oct 31;3:987356. doi: 10.3389/fresc.2022.987356. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36386775/>

**Is the six-minute step test able to reflect the severity and symptoms based on cat score?**

Dourado IM, Santos PB, Goulart CL, Marinho RS, Santos-De-Araújo AD, Roscani MG, Mendes RG, Borghi-Silva A.

Heart Lung. 2022 Nov 10;58:28-33. doi: 10.1016/j.hrtlng.2022.10.010. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36372060/>

**Sternocleidomastoid Muscle Thickness Correlates with Exercise Tolerance in Patients with COPD.**

Shiraishi M, Higashimoto Y, Sugiya R, Mizusawa H, Takeda Y, Fujita S, Nishiyama O, Kudo S, Kimura T, Fukuda K, Tohda Y.

Respiration. 2022 Nov 22:1-10. doi: 10.1159/000527100. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36412608/>

**The Impact of Wearing a Mask on Oxygenation and Hemodynamics in Patients with Mild to Moderate COPD.**

Kim SH, Heo R, Lee SK, Lee SW, Seo H, Kwon H, Chung SJ, Lee H, Park DW, Lim YH, Shin J, Sohn JW, Yoon HJ.

Ann Am Thorac Soc. 2022 Nov 23. doi: 10.1513/AnnalsATS.202206-551RL. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36416877/>

**Respiratory and peripheral muscle strength influence recovery of exercise capacity after severe exacerbation of COPD? An observational prospective cohort study.**

Heubel AD, Kabbach EZ, Leonardi NT, Schafauser NS, Kawakami DMO, Sentanin AC, Pires Di Lorenzo VA, Borghi Silva A, Hurst JR, Mendes RG.

Heart Lung. 2022 Nov 23;58:91-97. doi: 10.1016/j.hrtlng.2022.11.009. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36434827/>

**Combining functional exercises with exercise training in COPD: a randomized controlled trial.**

Francisco de Lima F, Marçal Camillo CA, Grigoletto I, Uzeloto J, Marques Vanderlei F, Ramos D, Burtin C, Cipulo Ramos EM.

Physiother Theory Pract. 2022 Dec 1:1-10. doi: 10.1080/09593985.2022.2148146. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36457177/>

**The effect of a pressure ventilatory support on quadriceps endurance is maintained after exercise training in severe COPD patients. A longitudinal randomized, cross over study.**

Labeix P, Court Fortune I, Muti D, Berger M, Chomette-Ballereau S, Barthelemy JC, Féasson L, Costes F.

Front Physiol. 2022 Nov 28;13:1055023. doi: 10.3389/fphys.2022.1055023. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36518111/>

**Breathing Exercises in the Treatment of COPD: An Overview of Systematic Reviews.**

Li Y, Ji Z, Wang Y, Li X, Xie Y.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 7;17:3075-3085. doi: 10.2147/COPD.S385855. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36514332/>

**Cardiopulmonary responses during unsupported upper limb exercise tests and limitations in activities of daily living in individuals with chronic obstructive pulmonary disease.**

Barboza M, Oliveira C, Mont'Alverne D, Morano M, Lima V, Velloso M.

Physiother Theory Pract. 2022 Dec 17:1-9. doi: 10.1080/09593985.2022.2157688. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36528786/>

**Preoperative inspiratory muscle training in a patient with lung cancer and comorbid chronic obstructive pulmonary disease and respiratory sarcopenia: A case report.**

Okura K, Takahashi Y, Hatakeyama K, Saito K, Kasukawa Y, Imai K, Minamiya Y.

Physiother Res Int. 2022 Dec 19:e1987. doi: 10.1002/pri.1987. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36533560/>

**Greater exercise tolerance in COPD during acute intermittent compared to continuous shuttle walking protocols: A proof-of-concept study.**

Alexiou C, Chambers F, Megaritis D, Wakenshaw L, Echevarria C, Vogiatzis I.

Chron Respir Dis. 2022 Jan-Dec;19:14799731221142023. doi: 10.1177/14799731221142023.

<https://pubmed.ncbi.nlm.nih.gov/36548147/>

**Correlation between Hand Grip Strength and Peak Inspiratory Flow Rate in Patients with Stable Chronic Obstructive Pulmonary Disease.**

Suriyakul A, Saiphoklang N, Barjaktarevic I, Cooper CB.

Diagnostics (Basel). 2022 Dec 5;12(12):3050. doi: 10.3390/diagnostics12123050.

<https://pubmed.ncbi.nlm.nih.gov/36553057/>

**Sex-specific and age-specific incidence of ischaemic heart disease, atrial fibrillation and heart failure in community patients with chronic obstructive pulmonary disease.**

Groenewegen A, Zwartkruis VW, Smit LJ, de Boer RA, Rienstra M, Hoes AW, Hollander M, Rutten FH.

BMJ Open Respir Res. 2022 Dec;9(1):e001307. doi: 10.1136/bmjresp-2022-001307.

<https://pubmed.ncbi.nlm.nih.gov/36585036/>

**PHYSICAL ACTIVITY**

**Factors associated with frequent physical activity among United States adults with asthma.**

Almatruk Z, Axon DR.

J Asthma. 2022 Oct 31:1-16. doi: 10.1080/02770903.2022.2142134. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36316286/>

**Efficacy of Different Types of Physical Activity Interventions on Exercise Capacity in Patients with Chronic Obstructive Pulmonary Disease (COPD): A Network Meta-Analysis.**

Priego-Jiménez S, Torres-Costoso A, Guzmán-Pavón MJ, Lorenzo-García P, Lucerón-Lucas-Torres MI, Álvarez-Bueno C.

Int J Environ Res Public Health. 2022 Nov 5;19(21):14539. doi: 10.3390/ijerph192114539. <https://pubmed.ncbi.nlm.nih.gov/36361418/>

**Physical activity pattern of patients with interstitial lung disease compared to patients with COPD: A propensity-matched study.**

Breuls S, Pereira de Araujo C, Blondeel A, Yserbyt J, Janssens W, Wuyts W, Troosters T, Demeyer H.

PLoS One. 2022 Nov 21;17(11):e0277973. doi: 10.1371/journal.pone.0277973. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36409724/>

**Might Dog Walking Reduce the Impact of COPD on Patients' Life?**

Baiardini I, Fasola S, Lorenzi C, Colombo N, Bruno M, La Grutta S, Scognamillo C, Braido F. Healthcare (Basel). 2022 Nov 18;10(11):2317. doi: 10.3390/healthcare10112317.

<https://pubmed.ncbi.nlm.nih.gov/36421641/>

**Discriminant Validity of a Single Clinical Question for the Screening of Inactivity in Individuals Living with COPD.**

Ramon MA, Esteban C, Ortega F, Cebollero P, Carrascosa I, Martinez-González C, Sobradillo P, Soler-Cataluña JJ, Miravittles M, García-Río F.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 2;17:3033-3044. doi: 10.2147/COPD.S378758. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36483675/>

**Exercise capacity and physical activity in COPD patients treated with a LAMA/LABA combination: a systematic review and meta-analysis.**

Miravittles M, García-Rivero JL, Ribera X, Galera J, García A, Palomino R, Pomares X.

Respir Res. 2022 Dec 15;23(1):347. doi: 10.1186/s12931-022-02268-3.

<https://pubmed.ncbi.nlm.nih.gov/36522735/>

**Sleep Quality and Self-Reported Symptoms of Anxiety and Depression Are Associated with Physical Activity in Patients with Severe COPD.**

Neale CD, Christensen PE, Dall C, Ulrik CS, Godtfredsen N, Hansen H.

Int J Environ Res Public Health. 2022 Dec 14;19(24):16804. doi: 10.3390/ijerph192416804.

<https://pubmed.ncbi.nlm.nih.gov/36554684/>

**Relationships of Walking and non-Walking Physical Activities in Daily Life with Cognitive Function and Physical Characteristics in Male Patients with Mild Chronic Obstructive Pulmonary Disease.**

Egoshi S, Horie J, Nakagawa A, Matsunaga Y, Hayashi S.

Clin Med Insights Circ Respir Pulm Med. 2022 Dec 22;16:11795484221146374. doi: 10.1177/11795484221146374. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36579140/>

*\*Composed in collaboration with Dr. Vitalii Poberezhets (Chair of Group 01.04 - m-Health/e-health)*

**Implementation of E-Mental Health Interventions for Informal Caregivers of Adults with Chronic Diseases: A Mixed-Methods Systematic Review with Qualitative Comparative Analysis and Thematic Synthesis.**

Coumoundouros C, Mårtensson E, Ferraris G, Zuidberg JM, von Essen L, Sanderman R, Woodford J.

JMIR Ment Health. 2022 Oct 25. doi: 10.2196/41891. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36314782/>

**Evaluation of telehealth support in an integrated respiratory clinic.**

Fox L, Heiden E, Chauhan MAJ, Longstaff JM, Balls L, De Vos R, Neville DM, Jones TL, Leung AW, Morrison L, Rupani H, Brown TP, Stores R, Chauhan AJ.

NPJ Prim Care Respir Med. 2022 Nov 11;32(1):51. doi: 10.1038/s41533-022-00304-9.

<https://pubmed.ncbi.nlm.nih.gov/36369507/>

**Patients' and Health Care Providers' Perceptions on mHealth Use After High-Altitude Climate Therapy for Severe Asthma: Mixed Methods Study.**

Khusial R, van Koppen S, Honkoop P, Rijssenbeek-Nouwens L, Fieten KB, Keij S, Drijver-Messelink M, Sont J.

JMIR Form Res. 2022 Nov 22;6(11):e26925. doi: 10.2196/26925.

<https://pubmed.ncbi.nlm.nih.gov/36413384/>

**A Telemedicine Approach for Monitoring COPD: A Prospective Feasibility and Acceptability Cohort Study.**

Shinoda M, Hataji O, Miura M, Kinoshita M, Mizoo A, Tobino K, Soutome T, Nishi T, Ishii T, Miller BE, Tal-Singer R, Tomlinson R, Matsuki T, Jones PW, Shibata Y.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 17;17:2931-2944. doi: 10.2147/COPD.S375049. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36419950/>

**Characteristics, Components, and Efficacy of Telerehabilitation Approaches for People with Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-Analysis.**

Isernia S, Pagliari C, Bianchi LNC, Banfi PI, Rossetto F, Borgnis F, Tavanelli M, Brambilla L, Baglio F; CPTM Group.

Int J Environ Res Public Health. 2022 Nov 17;19(22):15165. doi: 10.3390/ijerph192215165.

<https://pubmed.ncbi.nlm.nih.gov/36429887/>

**Online mindfulness-based cognitive therapy for fatigue in patients with sarcoidosis (TIRED): a randomised controlled trial.**

Kahlmann V, Moor CC, van Helmond SJ, Mostard RLM, van der Lee ML, Grutters JC, Wijzenbeek MS, Veltkamp M.

Lancet Respir Med. 2022 Nov 22:S2213-2600(22)00387-3. doi: 10.1016/S2213-2600(22)00387-3. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36427515/>

**A qualitative exploration of people living with idiopathic pulmonary fibrosis experience of a virtual pulmonary rehabilitation programme.**

O'Shea O, Murphy G, Forde L, O'Reilly KMA.

BMC Pulm Med. 2022 Nov 28;22(1):448. doi: 10.1186/s12890-022-02221-6.

<https://pubmed.ncbi.nlm.nih.gov/36443780/>

**Effectiveness of an online education program for asthma patients in general practice: study protocol for a cluster randomized controlled trial.**

Eck S, Hapfelmeier A, Linde K, Schultz K, Gensichen J, Sanftenberg L, Kühlein T, Stark S, Gágyor I, Kretzschmann C, Schneider A; Bavarian Practice-Based Research Network (BayFoNet).

BMC Pulm Med. 2022 Dec 1;22(1):457. doi: 10.1186/s12890-022-02217-2.

<https://pubmed.ncbi.nlm.nih.gov/36456965/>

**Primary Care Provider Experience With Proactive E-Consults to Improve COPD Outcomes and Access to Specialty Care.**

Spece LJ, Weppner WG, Weiner BJ, Collins M, Adamson R, Berger DB, Nelson KM, McDowell J, Epler E, Carvalho PG, Woo DM, Donovan LM, Feemster LC, Au DH, Au DH, Sayre G.

Chronic Obstr Pulm Dis. 2022 Dec 5. doi: 10.15326/jcopdf.2022.0357. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36472622/>

**Exercise Capacity in Patients With Chronic Obstructive Pulmonary Disease Treated With Tele-Yoga Versus Tele-Pulmonary Rehabilitation: A Pilot Validation Study.**

Malik S, Dua R, Krishnan AS, Kumar S, Kumar S, Neyaz O, Bhadoria AS.

Cureus. 2022 Nov 1;14(11):e30994. doi: 10.7759/cureus.30994. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36475207/>

**Long-Term Telerehabilitation or Unsupervised Training at Home for Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Trial.**

Zanaboni P, Dinesen B, Hoas H, Wootton R, Burge AT, Philp R, Oliveira CC, Bondarenko J, Tranborg Jensen T, Miller BR, Holland AE.

Am J Respir Crit Care Med. 2022 Dec 8. doi: 10.1164/rccm.202204-0643OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36480957/>

**Scoping Review of Pulmonary Telemedicine Consults: Current Knowledge and Research Gaps.**

Li B, Gillmeyer KR, Molloy-Paolillo B, Vimalananda VG, Elwy AR, Wiener RS, Rinne ST.

Ann Am Thorac Soc. 2022 Dec 9. doi: 10.1513/AnnalsATS.202205-404OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36490386/>

**Licensure laws and other barriers to telemedicine and telehealth: an urgent need for reform.**

Raghu G, Mehrotra A.



Lancet Respir Med. 2022 Dec 12:S2213-2600(22)00482-9. doi: 10.1016/S2213-2600(22)00482-9. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36521508/>

**Perceived autonomy support in telerehabilitation by people with chronic respiratory disease: a mixed methods study.**

Cox NS, Lee JY, McDonald CF, Mahal A, Alison JA, Wootton R, Hill CJ, Zanaboni P, O'Halloran P, Bondarenko J, Macdonald H, Barker K, Crute H, Mellerick C, Wageck B, Boursinos H, Lahham A, Nichols A, Czupryn P, Corbett M, Handley E, Burge AT, Holland AE.

Chest. 2022 Dec 24:S0012-3692(22)04344-6. doi: 10.1016/j.chest.2022.12.023. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36574926/>

## PATIENT REPORTED OUTCOME MEASURES

**Patient-reported experiences and outcomes following hospital care are associated with risk of readmission among adults with chronic health conditions.**

Watson DE, Marashi-Pour S, Tran B, Witchard A.

PLoS One. 2022 Nov 2;17(11):e0276812. doi: 10.1371/journal.pone.0276812. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36322583/>

**Construct validity and reliability of the Informal Caregiver Burden Assessment Questionnaire (QASCI) in caregivers of patients with COPD.**

Hipólito N, Martins S, Ruivo A, Flora S, Silva CG, Marques A, Brooks D, Cruz J.

Respir Med. 2022 Oct 31;205:107027. doi: 10.1016/j.rmed.2022.107027. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36343503/>

**A Longitudinal Study of Trajectories and Factors Influencing Patient-Reported Outcomes in Chronic Obstructive Pulmonary Disease.**

Cai M, Cui M, Nong Y, Qin J, Mo S.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 18;17:2945-2956. doi: 10.2147/COPD.S374129. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36425060/>

**Comparability of a provisioned device versus bring your own device for completion of patient-reported outcome measures by participants with chronic obstructive pulmonary disease: quantitative study findings.**

Hudgens S, Newton L, Eremenco S, Crescioni M, Symonds T, Griffiths PCG, Reasner DS, Byrom B, O'Donohoe P, Vallow S; Patient-Reported Outcome (PRO) Consortium and Electronic Clinical Outcome Assessment (eCOA) Consortium.

J Patient Rep Outcomes. 2022 Nov 26;6(1):119. doi: 10.1186/s41687-022-00521-3.

<https://pubmed.ncbi.nlm.nih.gov/36435889/>

**Mapping algorithms for predicting EuroQol-5D-3L utilities from the assessment test of chronic obstructive pulmonary disease.**

Yu CH, Chang SM, Hsu CH, Tsai SH, Liao XM, Chen CW, Lin CH, Wang JD, Hsiue TR, Chen CZ. *Sci Rep.* 2022 Dec 3;12(1):20930. doi: 10.1038/s41598-022-24956-2.  
<https://pubmed.ncbi.nlm.nih.gov/36463253/>

**Performance of the Cough and Sputum Assessment Questionnaire (CASA-Q) in COPD: Evidence from Clinical and Online Patient Interaction Studies.**

Patalano F, Hache C, Pethe A, Kaur H, Leidy NK, Arsiwala T, Afroz N, Gutzwiller FS. *Int J Chron Obstruct Pulmon Dis.* 2022 Dec 10;17:3087-3096. doi: 10.2147/COPD.S381131. eCollection 2022.  
<https://pubmed.ncbi.nlm.nih.gov/36531977/>

**Patient-Reported Outcome Measurements in Patients with COPD-Obstructive Sleep Apnea Overlap Syndrome: Time for Action?**

Papaioannou AI, Fouka E, Nena E, Bakakos P, Steiropoulos P. *J Pers Med.* 2022 Nov 24;12(12):1951. doi: 10.3390/jpm12121951.  
<https://pubmed.ncbi.nlm.nih.gov/36556172/>

**INTERSTITIAL LUNG DISEASE**

**World Health Organization (WHO) International Classification of Functioning, Disability and Health (ICF) Core Set Development for Interstitial Lung Disease.**

Saketkoo LA, Escorpizo R, Varga J, Keen KJ, Fligelstone K, Birring SS, Alexanderson H, Pettersson H, Chaudhry HA, Poole JL, Regardt M, LeSage D, Sarver C, Lanario J, Renzoni E, Scholand MB, Lammi MR, Kowal-Bielecka O, Distler O, Frech T, Shapiro L, Varju C, Volkmann ER, Bernstein EJ, Drent M, Obi ON, Patterson KC, Russell AM; Global Fellowship on Rehabilitation and Exercise in Systemic Sclerosis (G-ForSS). *Front Pharmacol.* 2022 Oct 14;13:979788. doi: 10.3389/fphar.2022.979788. eCollection 2022.  
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## NUTRITION AND NUTRITIONAL STATUS

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**ADVANCED DISEASE / END OF LIFE / PALLIATIVE CARE**

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## COMORBID CONDITIONS

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