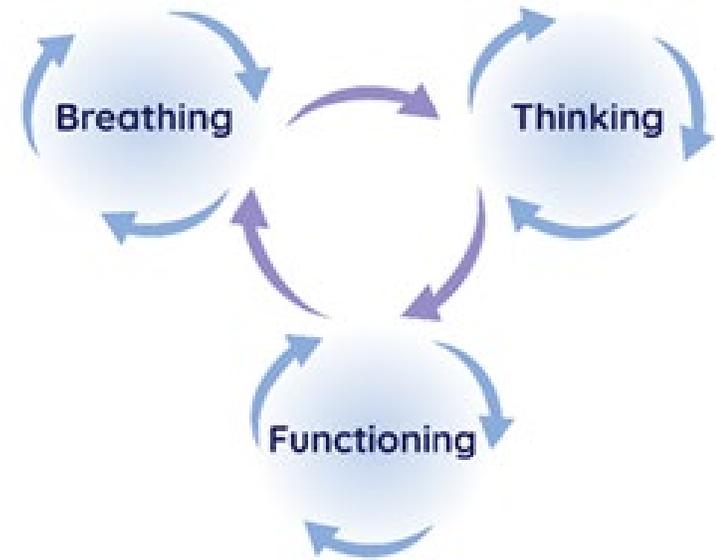


# Functioning- Assessment and management – *Resources & References*

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**Together**  
**Safe**  
**Kind**  
**Excellent**

# Resources

## Asthma and Lung UK

### Exercise Handbook

<https://shop.asthmaandlung.org.uk/products/exercise-handbook-2>

### Home pulmonary rehabilitation videos

<https://www.asthmaandlung.org.uk/living-with/keep-active-programme>

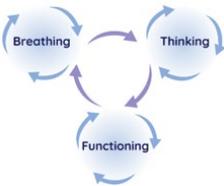
**Online groups** (Motivational Mondays (singing), Feel Good Fridays (chair based dance), mindfulness, harmonica, breathe easy, as well as disease specific support groups.

<https://www.asthmaandlung.org.uk/groups-support>

## Cambridge Breathlessness Intervention Service

### Leaflets and relaxation audio

<https://www.cuh.nhs.uk/our-services/breathlessness-intervention-service/>



# References

Armstrong, M., Hume, E., McNeillie, L., Chambers, F., Wakenshaw, L., Burns, G., Marshall, K.H. and Vogiatzis, I., 2021. Behavioural modification interventions alongside pulmonary rehabilitation improve COPD patients' experiences of physical activity. *Respiratory Medicine*, 180, p.106353.

Armstrong, M., Winnard, A., Chynkiamis, N., Boyle, S., Burtin, C. and Vogiatzis, I., 2019. Use of pedometers as a tool to promote daily physical activity levels in patients with COPD: a systematic review and meta-analysis. *European Respiratory Review*, 28(154).

Briand, J., Behal, H., Chenivresse, C., Wémeau-Stervinou, L. and Wallaert, B., 2018. The 1-minute sit-to-stand test to detect exercise-induced oxygen desaturation in patients with interstitial lung disease. *Therapeutic advances in respiratory disease*, 12, p.1753466618793028.

Brighton, L.J., Gao, W., Farquhar, M., Booth, S., Bajwah, S., Man, W.D., Reilly, C.C., Yi, D., Higginson, I.J. and Maddocks, M., 2019a. Predicting outcomes following holistic breathlessness services: a pooled analysis of individual patient data. *Palliative medicine*, 33(4), pp.462-466.

Brighton, L.J., Miller, S., Farquhar, M., Booth, S., Yi, D., Gao, W., Bajwah, S., Man, W.D., Higginson, I.J. and Maddocks, M., 2019b. Holistic services for people with advanced disease and chronic breathlessness: a systematic review and meta-analysis. *Thorax*, 74(3), pp.270-281.

# References

Bolton, C.E., Bevan-Smith, E.F., Blakey, J.D., Crowe, P., Elkin, S.L., Garrod, R., Greening, N.J., Heslop, K., Hull, J.H., Man, W.D. and Morgan, M.D., 2013. British Thoracic Society guideline on pulmonary rehabilitation in adults: accredited by NICE. *Thorax*, 68(Suppl 2), pp.ii1-ii30.

Chen, Y.H., Chen, L.R., Tsao, C.C., Chen, Y.C. and Huang, C.C., 2022. Effects of a Pedometer-Based Walking Program in Patients with COPD—A Pilot Study. *Medicina*, 58(4), p.490.

Demeyer, H., Mohan, D., Burtin, C., Vaes, A.W., Heasley, M., Bowler, R.P., Casaburi, R., Cooper, C.B., Corriol-Rohou, S., Frei, A. and Hamilton, A., 2021. Objectively measured physical activity in patients with COPD: recommendations from an international task force on physical activity. *Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation*, 8(4), p.528.

Enright, P.L., 2003. The six-minute walk test. *Respiratory care*, 48(8), pp.783-785.

Finch, S., Laska, I.F., Abo-Leyah, H., Fardon, T.C. and Chalmers, J.D., 2020. Validation of the COPD Assessment Test (CAT) as an outcome measure in bronchiectasis. *Chest*, 157(4), pp.815-823.

# References

Grufstedt, H.K., Shaker, S.B. and Konradsen, H., 2018. Validation of the COPD Assessment Test (CAT) in patients with idiopathic pulmonary fibrosis. *European Clinical Respiratory Journal*, 5(1), p.1530028.

Jones, P.W., 2005. St. George's respiratory questionnaire: MCID. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, 2(1), pp.75-79.

Jones, P.W., Harding, G., Berry, P., Wiklund, I., Chen, W.H. and Leidy, N.K., 2009. Development and first validation of the COPD Assessment Test. *European Respiratory Journal*, 34(3), pp.648-654.

Jones, P.W., Quirk, F.H. and Baveystock, C.M., 1991. The St George's Respiratory Questionnaire. *Respiratory medicine*, 85, pp.25-31.

Karloh, M., Mayer, A.F., Maurici, R., Pizzichini, M.M., Jones, P.W. and Pizzichini, E., 2016. The COPD assessment test: what do we know so far?: a systematic review and meta-analysis about clinical outcomes prediction and classification of patients into GOLD stages. *Chest*, 149(2), pp.413-425.

Keen, C., Smith, I., Hashmi-Greenwood, M., Sage, K. and Kiely, D.G., 2023. Pulmonary Hypertension and Measurement of Exercise Capacity Remotely: Evaluation of the 1-min Sit-to-Stand Test (PERSPIRE)—a cohort study. *ERJ Open Research*, 9(1).

Man, W; Chaplin, E; Daynes, E, Drummond, A; Evans, R.A.; Greening, N.J.; Nolan, C; Pavitt, M.J.; Roberts, N.J.; Vogiatzis, I and Singh, S. 2023. British Thoracic Society Statement on Pulmonary Rehabilitation. *Thorax*, 78(suppl 4), pp.2-15.

Martin, L.L., 1994. Validity and reliability of a quality-of-life instrument: the chronic respiratory disease questionnaire. *Clinical nursing research*, 3(2), pp.146-156.

Mendoza, L., Horta, P., Espinoza, J., Aguilera, M., Balmaceda, N., Castro, A., Ruiz, M., Díaz, O. and Hopkinson, N.S., 2015. Pedometers to enhance physical activity in COPD: a randomised controlled trial. *European Respiratory Journal*, 45(2), pp.347-354.

# References

McCarthy, B., Casey, D., Devane, D., Murphy, K., Murphy, E. and Lacasse, Y., 2015. Pulmonary rehabilitation for chronic obstructive pulmonary disease. *Cochrane database of systematic reviews*, (2).

Nunez-Cortes, R., Rivera-Lillo, G., Arias-Campoverde, M., Soto-Garcia, D., Garcia-Palomera, R. and Torres-Castro, R., 2021. Use of sit-to-stand test to assess the physical capacity and exertional desaturation in patients post COVID-19. *Chronic respiratory disease*, 18, p.1479973121999205.

Ozalevli, S., Ozden, A., Itil, O. and Akkoclu, A., 2007. Comparison of the Sit-to-Stand Test with 6 min walk test in patients with chronic obstructive pulmonary disease. *Respiratory medicine*, 101(2), pp.286-293.

Schünemann, H.J., Puhan, M., Goldstein, R., Jaeschke, R. and Guyatt, G.H., 2005. Measurement properties and interpretability of the Chronic respiratory disease questionnaire (CRQ). *COPD: journal of chronic obstructive pulmonary disease*, 2(1), pp.81-89.

Spathis, A., Booth, S., Moffat, C., Hurst, R., Ryan, R., Chin, C. and Burkin, J., 2017. The Breathing, Thinking, Functioning clinical model: a proposal to facilitate evidence-based breathlessness management in chronic respiratory disease. *NPJ primary care respiratory medicine*, 27(1), p.27.

Tufnell, R., Sayers P., Davis, E., Chan, E., Burkin, J., Moffat, C., Traub, C., Sheldon, M., Booth, S., Spathis, A. 2023. Palliative Care symptom management expertise for Long COVID. *British Medical Journal Supportive and Palliative Care*, pp61-62.

Vaidya, T., de Bisschop, C., Beaumont, M., Ouksel, H., Jean, V., Dessables, F. and Chambellan, A., 2016. Is the 1-minute sit-to-stand test a good tool for the evaluation of the impact of pulmonary rehabilitation? Determination of the minimal important difference in COPD. *International journal of chronic obstructive pulmonary disease*, pp.2609-2616.

Valerio, B; Rodriguez, E; Perez, P; Mayer, A. I.; Pasarin, A.; Ibanez, J and Ramon, M. A. 2022. Promotion of physical activity after hospitalization for COPD exacerbation: A randomised controlled trial. *Respirology*, 28, pp.357-365.