

Supplemental Material S1. Reason for paper exclusion from final analysis.

Reason for exclusion	Papers excluded
Conflates coughing with choking	Abraham, Scheinberg, Smith, and LaRocca (1997); Burgess, Hughes, Griffiths, and Cadoux-Hudson (2009); De Pauw, Dejaeger, D'Hooghe, and Carton (2002); Hadjikoutis, Eccles, and Wiles (2000); Holland et al. (2011); L. Lin et al. (2003); L. C. Lin, Wu, Chen, Wang, and Chen (2002); Marin et al. (2016); Rogers et al. (1994); Roy, Stemple, Merrill, and Thomas (2007); Runions, Rodrigue, and White (2004); Steele, Greenwood, Ens, Robertson, and Seidman-Carlson (1997)
Conflates pneumonia with choking	Goh et al. (2016)
Conflates coughing and suffocation without noting food	Shavelle, Strauss, Whyte, Day, and Yu (2001)
Choking risk, no choking event	Ball et al. (2012); Chadwick, Jolliffe, and Goldbart (2002)
Choking noted only as a symptom of dysphagia, no description or event	Chadwick and Jolliffe (2009); Kuhn and Matson (2002); Smith, Teo, and Simpson (2014)
Mentioned, not described or defined	Chadwick, Jolliffe, Goldbart, and Burton (2006); Cleary, Kizar, Kalra, and Johnston (2008); de Medeiros, Sassi, Mangilli, Zilberstein, and de Andrade (2014); Fodstad and Matson (2008); Guthrie, Roddam, Panna, and Fairburn (2012); Hayashi et al. (2016); Matson, Fodstad, and Boisjoli (2008); Matson and Kuhn (2001); Palmer, Herrington, Rad, and Cohen (2007); Perez et al. (2015); Regan, Sowman, and Walsh (2006); Thacker, Abdelnoor, Anderson, White, and Hollins (2008); Tong, Lee, Yuen, and Lo (2011); van den Engel-Hoek et al. (2016)

References

- Abraham, S., Scheinberg, L. C., Smith, C. R., & LaRocca, N. G. (1997). Neurologic impairment and disability status in outpatients with multiple sclerosis reporting dysphagia symptomatology. *Journal of Neurologic Rehabilitation*, 11(1), 7–13.
- Ball, S. L., Panter, S. G., Redley, M., Proctor, C. A., Byrne, K., Clare, I. C., & Holland, A. J. (2012). The extent and nature of need for mealtime support among adults with intellectual disabilities. *Journal of Intellectual Disability Research*, 56(4), 382–401. <https://doi.org/10.1111/j.1365-2788.2011.01488.x>
- Burgess, C., Hughes, R., Griffiths, S., & Cadoux-Hudson, T. (2009). A decade of unexplained dysphagia. *Ear, Nose & Throat Journal*, 88(6), 958–960.
- Chadwick, D. D., & Jolliffe, J. (2009). A descriptive investigation of dysphagia in adults with intellectual disabilities. *Journal of Intellectual Disability Research*, 53(1), 29–43. <https://doi.org/10.1111/j.1365-2788.2008.01115.x>
- Chadwick, D. D., Jolliffe, J., & Goldbart, J. (2002). Carer knowledge of dysphagia management strategies. *International Journal of Language & Communication Disorders*, 37(3), 345–357. <https://doi.org/10.1080/13682820210137196>
- Chadwick, D. D., Jolliffe, J., Goldbart, J., & Burton, M. H. (2006). Barriers to caregiver compliance with eating and drinking recommendations for adults with intellectual disabilities and dysphagia. *Journal of Applied Research in Intellectual Disabilities*, 19(2), 153–162. <https://doi.org/10.1111/j.1468-3148.2005.00250.x>
- Cleary, S., Kizar, S., Kalra, S., & Johnston, W. (2008). Using active rehabilitation to decrease the risk of pneumonia in end-of-life ALS and dementia care. *Canadian Nursing Home*, 19(2), 4–10.
- de Medeiros, G. C., Sassi, F. C., Mangilli, L. D., Zilberstein, B., & de Andrade, C. R. F. (2014). Clinical dysphagia risk predictors after prolonged orotracheal intubation. *Clinics*, 69(1), 8–14. [https://doi.org/10.6061/clinics/2014\(01\)02](https://doi.org/10.6061/clinics/2014(01)02)
- De Pauw, A., Dejaeger, E., D'Hooghe, B., & Carton, H. (2002). Dysphagia in multiple sclerosis. *Clinical Neurology & Neurosurgery*, 104(4), 345–351.
- Fodstad, J., & Matson, J. (2008). A comparison of feeding and mealtime problems in adults with intellectual disabilities with and without autism. *Journal of Developmental & Physical Disabilities*, 20(6), 541–550. <https://doi.org/10.1007/s10882-008-9116-6>
- Goh, K. H., Acharyya, S., Ng, S. Y. E., Boo, J. P. L., Kooi, A. H. J., Ng, H. L., . . . Tan, L. C. S. (2016). Risk and prognostic factors for pneumonia and choking amongst Parkinson's disease patients with dysphagia. *Parkinsonism & Related Disorders*, 29, 30–34. <https://doi.org/10.1016/j.parkreldis.2016.05.034>
- Guthrie, S., Roddam, H., Panna, S., & Fairburn, G. (2012). Capacity to choose and refuse? A case study. *Advances in Mental Health and Intellectual Disabilities*, 6(6), 293–300. <https://doi.org/10.1108/20441281211285937>
- Hadjikoutis, S., Eccles, R., & Wiles, C. M. (2000). Coughing and choking in motor neuron disease. *Journal of Neurology Neurosurgery and Psychiatry*, 68(5), 601–604. <https://doi.org/10.1136/jnnp.68.5.601>
- Hayashi, M., Yahiro, A., Sakuragi, Y., Iwamatsu, K., Sakamoto, H., Kaizuka, Y., . . . Kamouchi, M. (2016). Impaired swallowing in hospitalized patients: An observational study in a community hospital in Japan (2012-2014). *Nursing Research*, 65(5), 389–396. <https://doi.org/10.1097/nnr.0000000000000178>

- Holland, G., Jayasekeran, V., Pendleton, N., Horan, M., Jones, M., & Hamdy, S. (2011). Prevalence and symptom profiling of oropharyngeal dysphagia in a community dwelling of an elderly population: A self-reporting questionnaire survey. *Diseases of the Esophagus*, 24(7), 476–480. <https://doi.org/10.1111/j.1442-2050.2011.01182.x>
- Kuhn, D. E., & Matson, J. L. (2002). A validity study of the Screening Tool of Feeding Problems (STEP). *Journal of Intellectual and Developmental Disability*, 27(3), 161–167. <https://doi.org/10.1080/1366825021000008594>
- Lin, L., Wang, S., Chen, S. H., Wang, T., Chen, M., & Wu, S. (2003). Efficacy of swallowing training for residents following stroke. *Journal of Advanced Nursing*, 44(5), 469–478. <https://doi.org/10.1046/j.0309-2402.2003.02830.x>
- Lin, L. C., Wu, S. C., Chen, H. S., Wang, T. G., & Chen, M. Y. (2002). Prevalence of impaired swallowing in institutionalized older people in Taiwan. *Journal of the American Geriatrics Society*, 50(6), 1118–1123. <https://doi.org/10.1046/j.1532-5415.2002.50270.x>
- Marin, S. D. C., Bertolucci, P. H. F., Marin, L. F., de Oliveira, F. F., Wajman, J. R., Bahia, V. S., & Mansur, L. L. (2016). Swallowing in primary progressive aphasia. *Neurorehabilitation*, 38(1), 85–92. <https://doi.org/10.3233/nre-151299>
- Matson, J. L., Fodstad, J. C., & Boisjoli, J. A. (2008). Cutoff scores, norms and patterns of feeding problems for the Screening Tool of fEeding Problems (STEP) for adults with intellectual disabilities. *Research in Developmental Disabilities*, 29(4), 363–372. <https://doi.org/10.1016/j.ridd.2007.06.001>
- Matson, J. L., & Kuhn, D. E. (2001). Identifying feeding problems in mentally retarded persons: development and reliability of the screening tool of feeding problems (STEP). *Research in Developmental Disabilities*, 22(2), 165–172. [https://doi.org/10.1016/S0891-4222\(01\)00065-8](https://doi.org/10.1016/S0891-4222(01)00065-8)
- Palmer, A. D., Herrington, H. C., Rad, I. C., & Cohen, J. L. (2007). Dysphagia after endoscopic repair of Zenker's diverticulum. *Laryngoscope*, 117(4), 617–622. <https://doi.org/10.1097/MLG.0b013e3180305061>
- Perez, C. M., Ball, S. L., Wagner, A. P., Clare, I. C., Holland, A. J., & Redley, M. (2015). The incidence of healthcare use, ill health and mortality in adults with intellectual disabilities and mealtime support needs. *Journal of Intellectual Disability Research*, 59(7), 638–652. <https://doi.org/10.1111/jir.12167>
- Regan, J., Sowman, R., & Walsh, I. (2006). Prevalence of dysphagia in acute and community mental health settings. *Dysphagia*, 21(2), 95–101. <https://doi.org/10.1007/s00455-006-9016-9>
- Rogers, B., Stratton, P., Msall, M., Andres, M., Champlain, M. K., Koerner, P., & Piazza, J. (1994). Long-term morbidity and management strategies of tracheal aspiration in adults with severe developmental disabilities. *American Journal on Mental Retardation*, 98(4), 490–498.
- Roy, N., Stemple, J., Merrill, R. M., & Thomas, L. (2007). Dysphagia in the elderly: Preliminary evidence of prevalence, risk factors, and socioemotional effects. *Annals of Otology, Rhinology & Laryngology*, 116(11), 858–865.
- Runions, S., Rodrigue, N., & White, C. (2004). Practice on an acute stroke unit after implementation of a decision-making algorithm for dietary management of dysphagia. *Journal of Neuroscience Nursing*, 36(4), 200–207.
- Shavelle, R. M., Strauss, D., Whyte, J., Day, S. M., & Yu, Y. L. (2001). Long-term causes of death after traumatic brain injury. *American Journal of Physical Medicine & Rehabilitation*, 80(7), 510–539.
- Smith, C. H., Teo, Y., & Simpson, S. (2014). An observational study of adults with Down syndrome eating independently. *Dysphagia*, 29(1), 52–60. <https://doi.org/10.1007/s00455-013-9479-4>

- Steele, C. M., Greenwood, C., Ens, I., Robertson, C., & Seidman-Carlson, R. (1997). Mealtime difficulties in a home for the aged: Not just dysphagia. *Dysphagia*, 12(1), 43–50.
- Thacker, A., Abdelnoor, A., Anderson, C., White, S., & Hollins, S. (2008). Indicators of choking risk in adults with learning disabilities: A questionnaire survey and interview study. *Disability and Rehabilitation*, 30(15), 1131–1138. <https://doi.org/10.1080/09638280701461625>
- Tong, M., Lee, K., Yuen, M., & Lo, P. (2011). Perceptions and experiences of post-irradiation swallowing difficulties in nasopharyngeal cancer survivors. *European Journal of Cancer Care*, 20(2), 170–178. <https://doi.org/10.1111/j.1365-2354.2010.01183.x>
- van den Engel-Hoek, L., de Groot, I. J. M., Sie, L. T., van Bruggen, H. W., de Groot, S. A. F., Erasmus, C. E., & van Alfen, N. (2016). Dystrophic changes in masticatory muscles related chewing problems and malocclusions in Duchenne muscular dystrophy. *Neuromuscular Disorders*, 26(6), 354–360. <https://doi.org/10.1016/j.nmd.2016.03.008>