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| **Laryngeal hypersensitivity, inducible laryngeal obstruction, and dysfunctional breathing – community prevalence.** |
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| **Introduction/Aim:** In patients with undifferentiated cough and breathlessness, treatable traits of laryngeal hypersensitivity (LHS), inducible laryngeal obstruction (ILO) or dysfunctional breathing (DB), are frequently unrecognised or misdiagnosed as asthma. This may result in inappropriate investigations or treatment, delayed diagnoses and increased healthcare costs. We assessed the likely prevalence of these traits, based on surrogate single questionnaire responses, in the general population.**Methods:** Adults from the City of Busselton completed validated respiratory health questionnaires that encompassed varieties of cough and breathlessness. The prevalence of “LHS”: “*How much did a tickle in the throat / lump in the throat affect you*?”; “ILO”: “*Can’t get a breath past a certain point in my throat / upper chest due to restriction*” and; “DB”: *" Describe the frequency with which you find it difficult to breathe or take a deep breath”*, were estimated. The number of participants that had positive responses suggestive of these traits AND a history of doctor-diagnosed asthma were also assessed.**Results:** Of the participants (n = 1134, 19-88yrs), 57% were female, 53% reported ever-smoking, 16% reported chronic bronchitis, and 21% reported ever-diagnosed asthma. Positive questionnaire responses suggestive of “LHS” and “ILO” were each reported in 8% of participants, with responses suggesting “DB” reported in 7% of participants, all more common in females than males. Participants with a history of doctor-diagnosed asthma had positive responses suggestive of “ILO” (17%) and “DB” (19%) (p < 0.0001), but not “LHS”.**Conclusion:** Symptoms suggestive of the treatable traits “LHS”, “ILO” and “DB” are common in the community and more common in females than males. Symptoms suggestive of “ILO”, “DB” but not “LHS” were more commonly reported in people with doctor-diagnosed asthma. The degree to which these symptoms overlap with conditions such as asthma and the utility of these questionnaire responses in screening for these treatable traits await further analysis and investigation.**Grant Support:** NHMRC (1163649)**Keywords:**Asthma, inducible laryngeal obstruction, dysfunctional breathing |