- 17 Martin AR, Gignoux CR, Walters RK, Wojcik GL, Neale BM, Gravel S, et al. Human demographic history impacts genetic risk prediction across diverse populations. Am J Hum Genet 2017; 100: 635–49.
- 18 The 1000 Genomes Project Consortium. A global reference for human genetic variation. *Nature* 2015: **526**: 68–74.
- 19 Purcell S, Neale B, Todd-Brown K, Thomas L, Ferreira MA, Bender D, et al. PLINK: a tool set for whole-genome association and population-based linkage analyses. Am J Hum Genet 2007; 81: 559–75.
- 20 American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders: DSM-IV. American Psychiatric Association, 1994.
- 21 World Health Organization. Composite International Diagnostic Interview (CIDI). World Health Organization, 1993.
- 22 RC Team. R: A Language and Environment for Statistical Computing. R Foundation for Statistical Computing, 2014.
- 23 Benjamini Y, Hochberg Y. Controlling the false discovery rate: a practical and powerful approach to multiple testing. *J Roy Stat Soc B Met* 1995; **57**: 289–300.
- 24 Angst J, Azorin J-M, Bowden CL, Perugi G, Vieta E, Gamma A, et al. Prevalence and characteristics of undiagnosed bipolar disorders in patients with a major depressive episode the BRIDGE study. Arch Gen Psychiatry 2011; 68: 791–9.

- 25 Meyer TD, Schrader J, Ridley M, Lex C. The Hypomania Checklist (HCL) -Systematic review of its properties to screen for bipolar disorders. *Compr Psychiatry* 2014; 55: 1310–21.
- 26 Forty L, Smith D, Jones L, Jones I, Caesar S, Fraser C, et al. Identifying hypomanic features in major depressive disorder using the hypomania checklist (HCL-32). J Affect Disord 2009: 114: 68–73.
- 27 Carta MG, Hardoy MC, Cadeddu M, Murru A, Campus A, Morosini PL, et al. The accuracy of the Italian version of the Hypomania Checklist (HCL-32) for the screening of bipolar disorders and comparison with the Mood Disorder Questionnaire (MDQ) in a clinical sample. Clin Pract Epidemol Ment Health 2006: 2: 2
- 28 Court H, Forty L, Jones L, Gordon-Smith K, Jones I, Craddock N, et al. Improving the psychometric utility of the hypomania checklist (HCL-32): a Rasch analysis approach. *J Affect Disord* 2014: 152–4, 448–53.
- 29 Cross-Disorder Group of the Psychiatric Genomics Consortium. Identification of risk loci with shared effects on five major psychiatric disorders: a genomewide analysis. *Lancet* 2013; 381: 1371–9.







psychiatry in history

Sir Thomas Browne: Boulimia Centenaria

Greg Wilkinson

Sir Thomas Browne (1605–1682), a polymath, practised medicine in Norwich. He communicated the case report below, which was read by his son to the *Royal Society* on 1 February 1672. Sir Thomas supposed that the cause was *sal esurinum*: the 'hungry salt', regarded as promoting gastric digestion and appetite by van Helmont in 1624.

There is a woman now living in Yarmouth named Elizabeth Michell, an hundred and two yeares old; a person of 4 feet and an half high, very leane, very poore, and living in a mean roome, with pitifull accomodation. She had a sonne after she was past fifty. Though she answers well enough unto ordinary questions, yet she apprehends her eldest daughter to be her mother, but what is most remarkable concerning her is a kinde of Boulimia or dogge appetite. She greedily eating day and night whatever allowance friends or charitable persons afford her, drinking beere or water, and making little distinction or refusal of any food, either of broathes, flesh, fish, apples, peares, and any coarse foode which shee eateth in no small quantity, in so much that the overseers for the poore have of late been forced to augment her weekely allowance. Shee sleeps indifferently well till hunger awakes her, then she must have no ordinary supply whither in the day or night. She vomits not, nor is very laxative. This is the oldest example of the Sal esurinum chymicorum which I have taken notice of. Though I am ready to afford my charity unto her yet I should be loath to spend a peece of Ambregris I have upon her and to afford her 6 grains to every dosis, till I founde some effect in moderating her appetite, though v^t be esteemed a great specifick in her condition. (Royal Society Archives: CL-P/14i/14.)

Copyright © The Royal College of Psychiatrists 2019

The British Journal of Psychiatry (2019) 214, 102. doi: 10.1192/bjp.2018.188