

Figure 1.

**e-Figure 1.** Prevalences of objectively assessed comorbidities; black bars demonstrate patients with COPD, grey bars demonstrate control subjects. (1) Gaisl et al. *Plos One* 2015, (2) van Reemortel et al. *Am J Respir Crit Care Med* 2013, (3) Lahousse et al. *Eur Heart J* 2015, (4) Nilsson et al. *Pulm Med* 2015, (5) Konecny et al. *Am J Cardio* 2014, (6) Houben-Wilke et al. *Am J Respir Crit Care Med* 2017, (7) Jo et al. *Respir Med* 2015, (8) Lam et al. *Eur Respir J* 2010, (9) Funakoshi et al. *Intern Med* 2010, (10) Marquis et al. *J Cardiopulm Rehabil* 2005, (11) Sabit et al. *Am J Respir Crit Care Med* 2007, (12) Bolton et al. *Am J Respir Crit Care Med* 2004, (13) Xiang et al. *COPD* 2014, (14) Zohal et al. *Glob J Health Sci* 2013, (15) Lee et al. *Respirology* 2014, (16) Mokhlesi et al. *Chest* 2001, (17) Casanova et al. *Eur Respir J* 2004, (18) AbdelHalim et al. *Respir Care* 2016, (19) Gjerde et al. *Respir Med* 2012, (20) Antonelli-Incalzi et al. *Chest* 2010, (21) Yoshizawa et al. *Int J COPD* 2015, (22) Cleutjens et al. *Chron Respir Dis* 2015, (23) Villeneuve et al. *Chest* 2012, (24) Cleutjens et al. *Int J COPD* 2017, (25) Wagena et al. *Psychosomatic Med* 2004, (26) Di Marco et al. *Respir Med* 2006, (27) van Manen et al. *Thorax* 2002, (28) Yohannes et al. *Age Ageing* 1998, (29) Lo Coco et al. *Sleep Med* 2009.

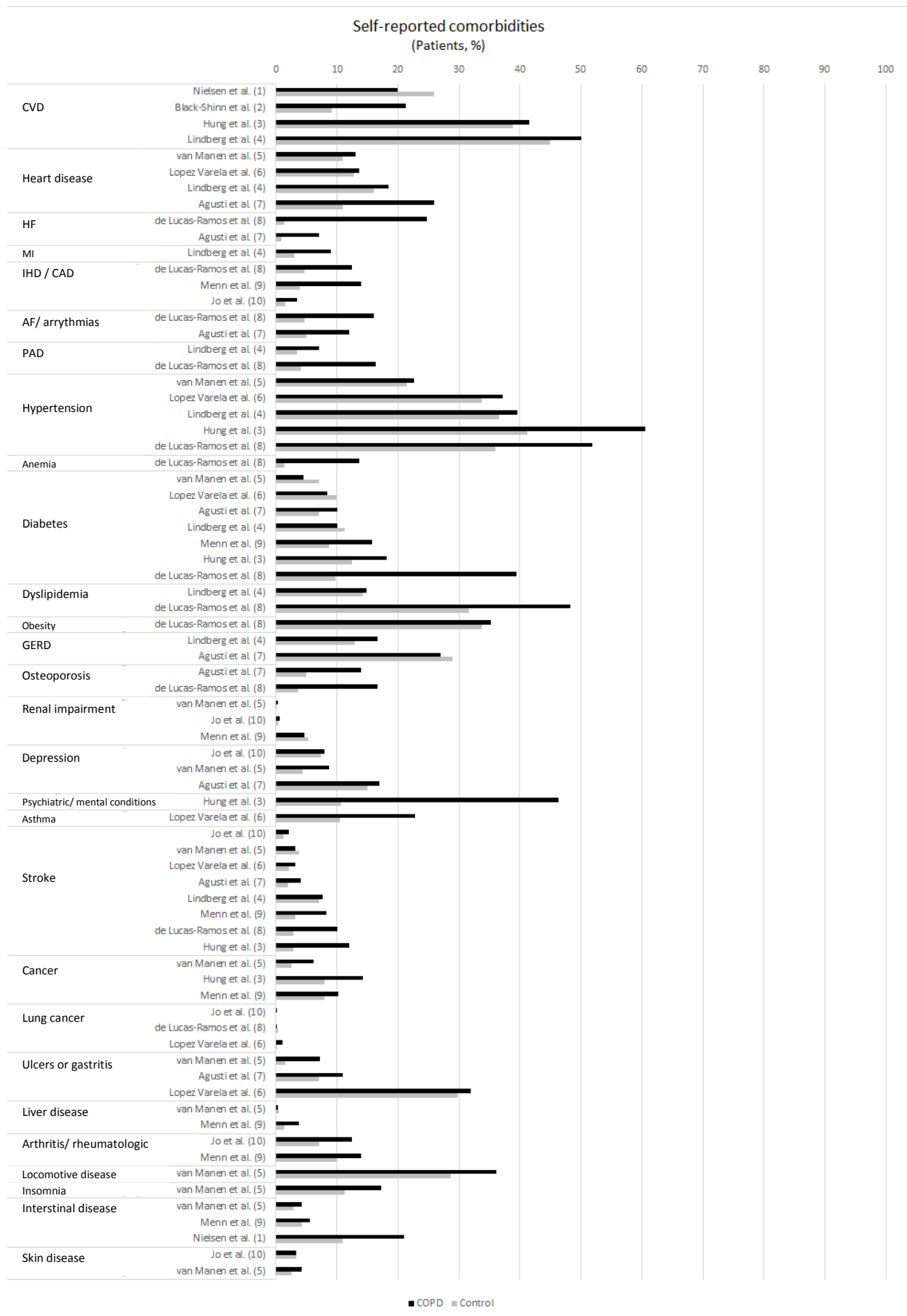
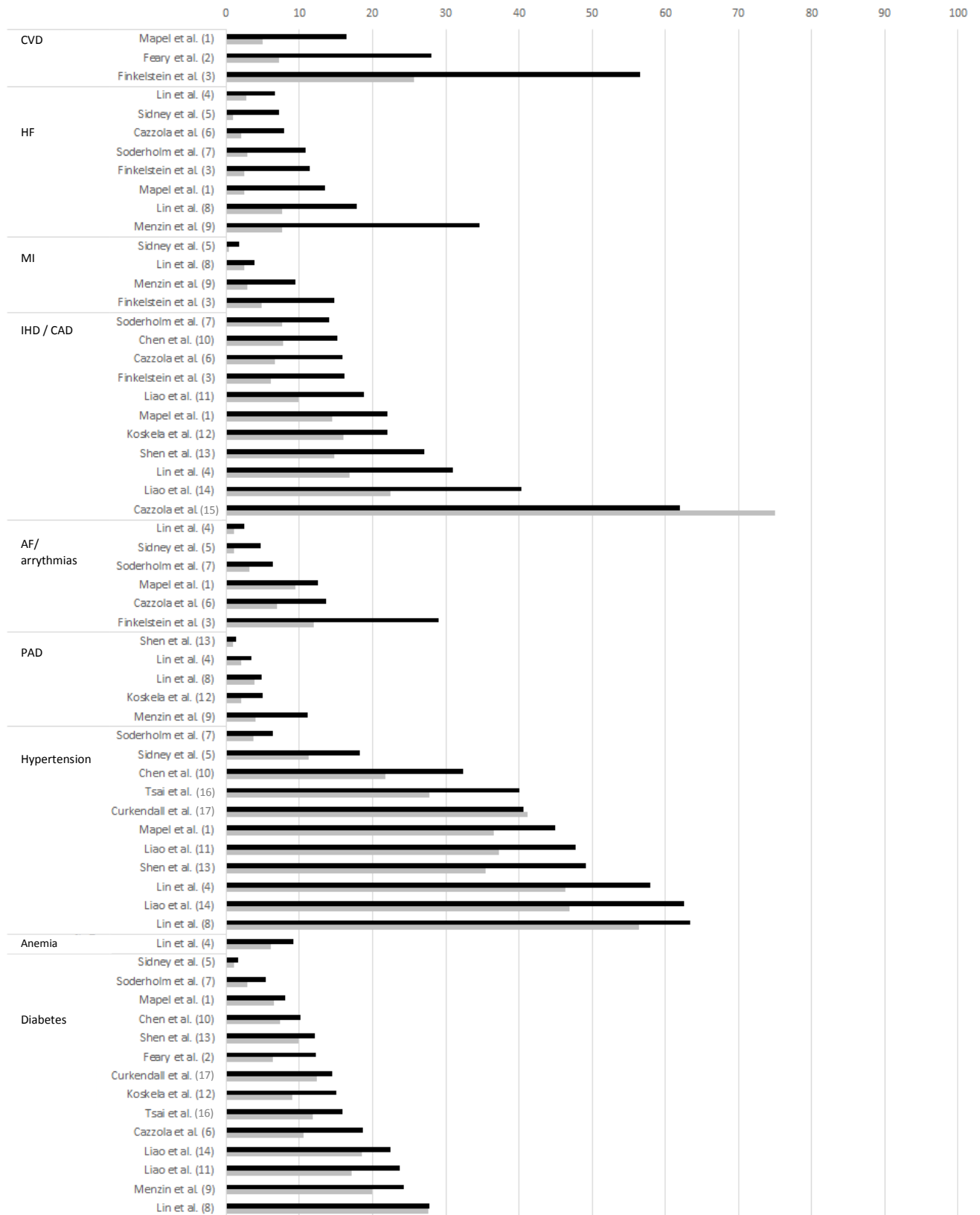


Figure 2.

**e-Figure 2.** Prevalences of self-reported comorbidities; black bars demonstrate patients with COPD, grey bars demonstrate control subjects. (1) Nielsen et al. *Clin Respir J* 2014, (2) Black-Shinn et al. *COPD* 2014, (3) Hung et al. *Am J Respir Crit Care Med* 2009, (4) Lindberg et al. *COPD* 2011, (5) van Manen et al. *J Clin Epidemiol* 2001, (6) Lopez Varela et al. *Arch Bronconeumol* 2013, (7) Agusti et al. *Respir Res* 2010, (8) Lucas-Ramos et al. *Int J COPD* 2012, (9) Menn et al. *Respir Med* 2012, (10) Jo et al. *Respir Med* 2015.

Comorbidities assessed by medical records  
(Patients, %)



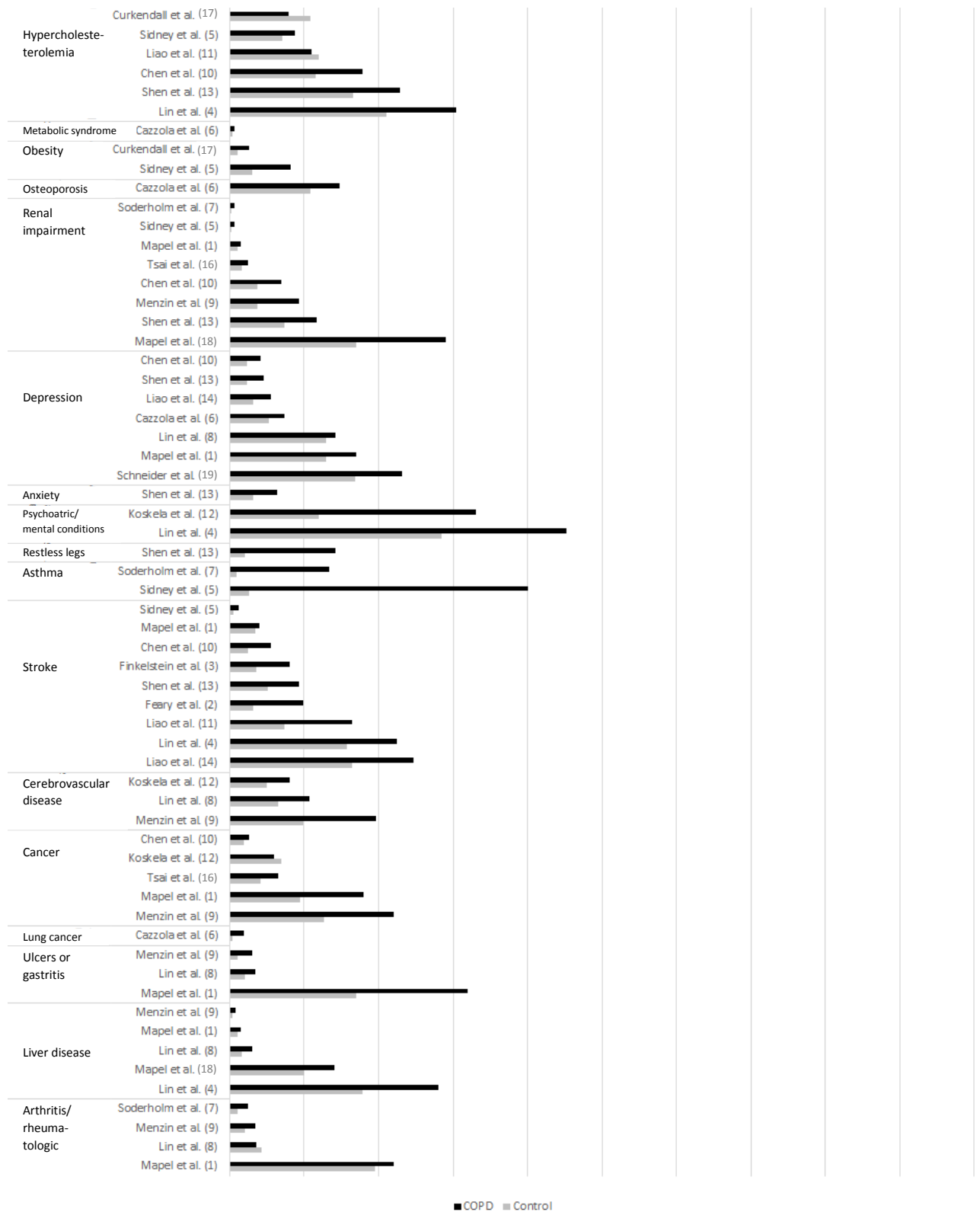


Figure 3.

**e-Figure 3.** Prevalences of comorbidities assessed by medical records; black bars demonstrate patients with COPD, grey bars demonstrate control subjects. (1) Mapel et al. *JAMA* 2000, (2) Feary et al. *Thorax* 2010, (3) Finkelstein et al. *Int J COPD* 2009, (4) Lin et al. *Plos One* 2017, (5) Sidney et al. *Chest* 2005, (6) Cazzola et al. *Respiration* 2010, (7) Soderholm et al. *Eur J Epidemiol* 2016, (8) Lin et al. *Respir Med* 2010, (9) Menzin et al. *Respir Med* 2008, (10) Chen et al. *Q J Med* 2015, (11) Liao et al. *Medicine* 2015, (12) Koskela et al. *Pulm Med* 2014, (13) Shen et al. *Medicine* 2015, (14) Liao et al. *Eur Heart J* 2015, (15) Cazzola et al. *Respir Med* 2015, (16) Tsai et al. *BMC Public Health* 2013, (17) Curkendall et al. *Ann Epidemiol* 2006, (18) Mapel et al. *Int J COPD* 2013, (19) Schneider et al. *Chest* 2010.