

## Supplementary Online Content

Lam JR, Schneider JL, Zhao W, Corley DA. Proton pump inhibitor and histamine 2 receptor antagonist use and vitamin B<sub>12</sub> deficiency. *JAMA*. doi: 10.1001/jama.2013.280490

**eTable.** PPI Use  $\geq$ 2 Years and Vitamin B<sub>12</sub> Deficiency, Stratified by Presence or Absence of Other Specific Risk Factors for Vitamin B<sub>12</sub> Deficiency

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable.** PPI Use  $\geq 2$  Years and Vitamin B<sub>12</sub> Deficiency, Stratified by Presence or Absence of Other Specific Risk Factors for Vitamin B<sub>12</sub> Deficiency

Risk Factor	Absent		Present	
	Cases (controls)	OR (95% CI)	Cases (controls)	OR (95% CI)
Diabetes	19,858 (156,654)	1.62 (1.53, 1.71)	6,098 (27,545)	1.44 (1.29, 1.60)
Thyroid Disease	21,063 (163,349)	1.70 (1.61, 1.79)	4,893 (20,850)	1.37 (1.20, 1.56)
H. Pylori	25,180 (180,943)	1.66 (1.58, 1.74)	776 (3,256)	0.95 (0.49, 1.83)
Smoking	15,909 (129,032)	1.67 (1.55, 1.81)	10,047 (55,167)	1.49 (1.39, 1.59)
Alcohol Abuse	21,660 (163,654)	1.63 (1.54, 1.71)	4,296 (20,545)	1.53 (1.33, 1.76)
Atrophic gastritis	25,835 (183,895)	1.64 (1.56, 1.71)	121 (304)	na <sup>a</sup>
Achlorhydria	25,955 (184,196)	1.65 (1.58, 1.73)	1 (3)	na <sup>a</sup>
Metformin	23,279 (176,700)	1.60 (1.52, 1.68)	2,677 (7,499)	1.53 (1.21, 1.93)
1 or more Risk factor	9,329 (94,729)	1.65 (1.42, 1.91)	16,627 (89,470)	1.50 (1.42, 1.58)

NOTE. ORs contrast the risk of vitamin B12 deficiency among persons with use  $\geq 2$  years of PPI use vs reference group, among persons with vs. without each risk factor. For example, for the diabetes stratum, the OR evaluates the association between PPI use and vitamin B12 deficiency risk among persons with a diagnosis of diabetes (risk factor present) and the same association among persons without a diagnosis of diabetes (risk factor absent). The reference group for each comparison consists of members with no PPI or H2RA use.

<sup>a</sup>Too few matched cells available for calculation