On demand PPI			Continuous PPI			Mean Difference			Mean Difference				
Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year		IV, Random, 95% CI			
0.51	0.31	215	0.93	0.17	217	47.8%	-0.42 [-0.47, -0.37]	2005			•		
0.41	0.25	301	0.91	0.16	297	52.2%	-0.50 [-0.53, -0.47]	2016			•		
		516			514	100.0%	-0.46 [-0.54, -0.38]						
Heterogeneity: Tau² = 0.00; Chi² = 7.32, df = 1 (P = 0.007); l² = 86% Test for overall effect: Z = 11.56 (P < 0.00001)									-100 Favo	-50	0 ontall Favour	50	100
	Mean 0.51 0.41 0.00; Cr	Mean SD 0.51 0.31 0.41 0.25 0.00; Chi ² = 7.3	Mean SD Total 0.51 0.31 215 0.41 0.25 301 516 0.00; Chi² = 7.32, df =	Mean SD Total Mean 0.51 0.31 215 0.93 0.41 0.25 301 0.91 516 0.00; Chi² = 7.32, df = 1 (P = 0	Mean SD Total Mean SD 0.51 0.31 215 0.93 0.17 0.41 0.25 301 0.91 0.16 516 0.00; Chi² = 7.32, df = 1 (P = 0.007); I	Mean SD Total Mean SD Total 0.51 0.31 215 0.93 0.17 217 0.41 0.25 301 0.91 0.16 297 516 514 0.00; Chi² = 7.32, df = 1 (P = 0.007); i² = 869	Mean SD Total Mean SD Total Weight 0.51 0.31 215 0.93 0.17 217 47.8% 0.41 0.25 301 0.91 0.16 297 52.2% 516 514 100.0% 0.00; Chi²= 7.32, df = 1 (P = 0.007); I²= 86%	Mean SD Total Mean SD Total Weight IV, Random, 95% CI 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 0.41 0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 516 514 100.0% -0.46 [-0.54, -0.38] 0.00; Chi² = 7.32, df = 1 (P = 0.007); i² = 86%	Mean SD Total Mean SD Total Weight IV, Random, 95% CI Year 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 2005 0.41 0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 2016 516 514 100.0% -0.46 [-0.54, -0.38] 0.00; Chi² = 7.32, df = 1 (P = 0.007); i² = 86%	Mean SD Total Mean SD Total Weight IV, Random, 95% CI Year 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 2005 0.41 0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 2016 516 514 100.0% -0.46 [-0.54, -0.38] -0.46 [-0.54, -0.38] -100 7-11 56 (P < 0.0001)	Mean SD Total Mean SD Total Weight IV, Random, 95% CI Year IV, R 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 2005 0.41 0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 2016 516 514 100.0% -0.46 [-0.54, -0.38] -0.00; Chi²= 7.32, df = 1 (P = 0.007); P = 86% -50 7-11 56 (P < 0.0001)	Mean SD Total Mean SD Total Weight IV, Random, 95% CI Year IV, Random, 95% 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 2005 -0.41 -0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 2016 -0.46 -0.46 [-0.54, -0.38] -0.46 [-0.54, -0	Mean SD Total Mean SD Total Weight IV, Random, 95% CI Year IV, Random, 95% CI 0.51 0.31 215 0.93 0.17 217 47.8% -0.42 [-0.47, -0.37] 2005 0.41 0.25 301 0.91 0.16 297 52.2% -0.50 [-0.53, -0.47] 2016 516 514 100.0% -0.46 [-0.54, -0.38] 0.00; Chi²= 7.32, df = 1 (P = 0.007); P² = 86%

Supplementary Figure 15. Forest plot of medication use between on-demand proton pump inhibitor (PPI) and continuous PPI groups in long-term management.