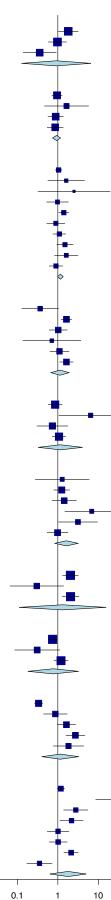
A					
Study Chronic disea	OR	95% C	I	Weight	
Arcilla 2017 Mo 2019	1.81 0.98	[1.03; [0.58;	3.18] 1.64]	35.7% 36.7%	
Vading 2016	0.36	[0.14;	0.91]	27.6%	
Total	0.91	[0.13;	6.53]	100.0%	
Education Arcilla 2017	0.95	[0.71;	1.28]	29.4%	
Mo 2019	1.64	[0.47;	5.75]	15.6%	
Ruh 2019 Wielders 2017	0.88 0.86	[0.57; [0.54;	1.37] 1.35]	27.6% 27.4%	
Total	0.93	[0.74;	1.17]	100.0%	
Gender					
Arcilla 2017 Angelin 2015	1.04 1.61	[0.86; [0.57;	1.27] 4.58]	12.3% 7.5%	
Dohmen 2017	2.51	[0.32;	19.56]	3.5%	
Lubbert 2015 McNulty 2018	0.98 1.40	[0.53; [1.05;	1.83] 1.86]	10.1% 11.9%	
Mo 2019 Reuland 2016	0.89 1.09	[0.53; [0.76;	1.49] 1.57]	10.8% 11.6%	
Ruh 2019	1.50	[0.94;	2.39]	11.1%	
Vading 2016 Wielders 2017	1.62 0.90	[0.83; [0.61;	3.15] 1.32]	9.8% 11.5%	
Total	1.16	[0.98;	1.36]	100.0%	
International					
Dohmen 2017 McNulty 2018	0.37 1.63	[0.13; [1.21;	1.04] 2.20]	13.1% 20.9%	
Mo 2019	1.02	[0.61;	1.72]	18.9%	
Reuland 2015 Ruh 2019	0.71 1.10	[0.14; [0.64;	3.70] 1.89]	8.2% 18.7%	
Wielders 2017 Total	1.63 1.13	[1.11; [0.67;	2.40] 1.91]	20.2% 100.0%	
	1.10	[0.07,	1.01]	100.070	
Pet McNulty 2018	0.86	[0.58;	1.27]	32.2%	
Miranda 2016 Mo 2019	6.46 0.73	[1.06; [0.31;	39.40] 1.76]	11.6% 23.9%	
Wielders 2017	1.07	[0.73;	1.57]	32.3%	
Total	1.15	[0.33;	4.06]	100.0%	
Previous adm Dohmen 2017	ission 1.28	to hos [0.28;	pital 5.96]	10.5%	
McNulty 2018	1.25	[0.80;	1.95]	23.0%	
Mo 2019 Reuland 2015	1.43 6.87	[0.71; [1.50;	2.88] 31.52]	19.9% 10.6%	
Vading 2016 Wielders 2017	3.14 0.98	[1.03; [0.54;	9.53] 1.78]	14.7% 21.3%	
Total	1.63	[0.34; [0.84;	3.18]	100.0%	
Proton-pump	inhibi	tor use			
Reuland 2016 Vading 2016	2.05 0.30	[1.31; [0.07;	3.21] 1.39]	40.9% 18.8%	
Wielders 2017	2.06	[1.28;	3.32]	40.3%	
Total	1.31	[0.11;	15.50]	100.0%	
Smoking Arcilla 2017	0.74	[0.58;	0.95]	40.7%	
Dohmen 2017	0.31	[0.09;	1.11]	20.8%	
Wielders 2017 Total	1.20 0.77	[0.81; [0.18;	1.78] 3.25]	38.5% 100.0%	
Travel to Africa					
Arcilla 2017	0.34	[0.27;	0.42]	23.4%	
Lubbert 2015 McNulty 2018	0.87 1.63	[0.44; [0.97;	1.70] 2.74]	18.9% 20.7%	
Reuland 2016	2.72	[1.58;	4.66]	20.5%	
Vading 2016 Total	1.83 1.15	[0.77; [0.40;	4.35] 3.27]	16.5% 100.0%	
Travel to Sout	heast	Asia			
Arcilla 2017 Angelin 2015	1.19 32.00	[0.96;	1.46] [18.80]	15.3% 7.6%	
Lubbert 2015	2.78	[1.39;	5.54]	12.2%	
McNulty 2018 Miranda 2016	2.18 1.01	[1.12; [0.55;	4.23] 1.87]	12.4% 12.8%	
Mo 2019	1.02	[0.61;	1.70]	13.5%	
Reuland 2016 Vading 2016	2.12 0.35	[1.41; [0.17;	3.19] 0.72]	14.3% 11.9%	
Total	1.78	[0.64;	4.98]	100.0%	



0.01

В				
Study	OR	95% CI		Weight
Africa				
Arcilla 2017	0.34	[0.27;	0.42]	36.1%
Lubbert 2015	0.87	[0.44;	1.70]	33.0%
Vading 2016	1.83	[0.77;	4.35]	31.0%
Total				
Heterogeneity: $\chi_2^2 = 19.27 \ (P < .01), \ I^2 = 90\%$				

Gender

С

Study

Total

Gender

Mo 2019

Ruh 2019

Total

Pet

Total

Mo 2019

Mo 2019

Ruh 2019

Education status Mo 2019

Arcilla 2017	1.04	[0.86;	1.27]	27.5%	
Angelin 2015	1.61	[0.57;	4.58]	22.0%	
Lubbert 2015	0.98	[0.53;	1.83]	25.4%	
Vading 2016	1.62	[0.83;	3.15]	25.1%	
Total	1.14	[0.86;	1.51]	100.0%	
Heterogeneity: $\chi_3^2 = 2.17 (P = .54), I^2 = 0\%$					
Total 1.14 [0.86; 1.51] 100.0% Heterogeneity: $\chi_3^2 = 2.17$ ($P = .54$), $I^2 = 0\%$					

SEasia				
Arcilla 2017	1.19	[0.96;	1.46]	22.5%
Angelin 2015	32.00	[8.62;	118.80]	16.1%
Lubbert 2015	2.78	[1.39;	5.54]	20.4%
Miranda 2016	1.01	[0.55;	1.87]	20.8%
Vading 2016	0.35	[0.17;	0.72]	20.2%
Total	1.93	[0.46;	8.12]	100.0%
Heterogeneity: $\chi_4^2 = 41.24 \ (P < .01), \ I^2 = 90\%$				
	-			

OR 95% CI

Wielders 2017 0.86 [0.54; 1.35] 42.4%

Heterogeneity: $\chi_2^2 = 0.92 \ (P = .63), \ I^2 = 0\%$

Dohmen 2017 2.51 [0.32; 19.56] 2.7% McNulty 2018 1.40 [1.05; 1.86] 22.3%

Reuland 2016 1.09 [0.76; 1.57] 20.4%

Wielders 2017 0.90 [0.61; 1.32] 19.9%

Heterogeneity: $\chi_5^2 = 6.15 \ (P = .29), \ I^2 = 19\%$

McNulty 2018 0.86 [0.58; 1.27] 39.7%

Wielders 2017 1.07 [0.73; 1.57] 40.1%

Heterogeneity: $\chi_2^2 = 0.94 \ (P = .63), \ I^2 = 0\%$

Reuland 2015 6.87 [1.50; 31.52] 8.1%

Previous Hospital admission Dohmen 2017 1.28 [0.28; 5.96] 8.0% McNulty 2018 1.25 [0.80; 1.95] 33.3%

1.64 [0.47; 5.75] 14.1%

0.88 [0.57; 1.37] 43.5%

0.92 [0.63; 1.35] 100.0%

0.89 [0.53; 1.49] 16.8%

1.50 [0.94; 2.39] 18.0%

1.16 [0.90; 1.50] 100.0%

0.73 [0.31; 1.76] 20.1%

0.93 [0.70; 1.24] 100.0%

1.43 [0.71; 2.88] 23.5%

1.47 [0.79; 2.76] 100.0%

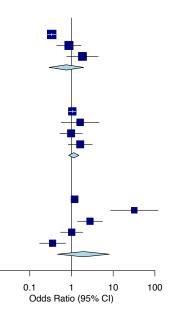
1.02 [0.61; 1.72] 19.3%

1.10 [0.64; 1.89] 18.7%

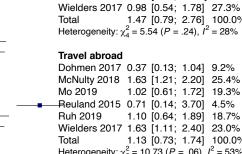
1.13 [0.73; 1.74] 100.0%

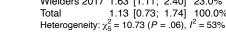
0.01

Weight



0.1 0.5 1 2 10 Odds Ratio (95% CI)





100

Odds Ratio (95% CI)