

Table 3. Subgroup analysis of the association between constipation and asthma development

	Constipation		Non-constipation		HR (95% C.I.)	p value
	N	No. of asthma	N	No. of asthma		
Age						
<20	13276	1429	13395	821	1.85 (1.69-2.01)	<0.001
20-39	25192	1019	25115	532	2.04 (1.84-2.26)	<0.001
40-64	24699	1668	24207	1053	1.70 (1.57-1.83)	<0.001
≥65	19254	2506	19704	1334	2.02 (1.89-2.16)	<0.001
Gender						
Female	56360	3980	56405	2272	1.86 (1.77-1.96)	<0.001
Male	26061	2642	26016	1468	1.92 (1.80-2.04)	<0.001
Hypertension						
No	70209	5193	70132	2926	1.89 (1.81-1.98)	<0.001
Yes	12212	1429	12289	814	1.84 (1.69-2.01)	<0.001
Hyperlipidemia						
No	78737	6308	78758	3537	1.90 (1.82-1.98)	<0.001
Yes	3684	314	3663	203	1.61 (1.35-1.92)	<0.001

Chronic liver disease						
No	80312	6401	80377	3627	1.88 (1.80-1.96)	<0.001
Yes	2109	221	2044	113	1.95 (1.55-2.44)	<0.001
Chronic kidney disease						
No	81863	6571	81797	3712	1.88 (1.81-1.96)	<0.001
Yes	558	51	624	28	1.94 (1.23-3.08)	0.005
Diabetes						
No	76865	6084	76979	3442	1.89 (1.81-1.97)	<0.001
Yes	5556	538	5442	298	1.80 (1.56-2.07)	<0.001
Chronic obstructive pulmonary disease						
No	81047	6261	81084	3533	1.89 (1.81-1.97)	<0.001
Yes	1374	361	1337	207	1.76 (1.48-2.08)	<0.001
Autoimmune disease						
No	81850	6554	81852	3704	1.88 (1.81-1.96)	<0.001
Yes	571	68	569	36	1.99 (1.33-2.98)	<0.001
Corticosteroids						

No	67566	5547	67625	2939	2.01 (1.92-2.10)	<0.001
Yes	14855	1075	14796	801	1.39 (1.26-1.52)	<0.001
Antihistamines						
No	30680	2836	30559	1314	2.33 (2.19-2.49)	<0.001
Yes	51741	3786	51862	2426	1.63 (1.55-1.72)	<0.001
