

Table S1: Cumulative incidence by sex using different asthma incidence definitions

<u>Definition</u>	<u>Asthma Incidence</u>					
	<u>Overall</u>		<u>Male</u>		<u>Female</u>	
	<u>(n)</u>	<u>(%)</u>	<u>(n)</u>	<u>(%)</u>	<u>(n)</u>	<u>(%)</u>
Definition 1*	326/5128	6.4	128/2500	5.1	198/2628	7.5
Definition 2**	292/5056	5.8	110/2464	4.5	182/2592	7.0
Definition 3a***	296/5009	5.9	120/2459	4.9	176/2550	6.9
Definition 3b****	250/4789	5.2	95/2342	4.1	155/2447	6.3
Definition 4*****	298/4789	6.2	121/2342	5.2	177/2447	7.2
Definition 5*****	220/4932	4.5	86/2412	3.6	134/2520	5.3

*Definition 1: cumulative incidence of doctor-diagnosed asthma from SAPALDIA1-3

**Definition 2: definition 1, additionally adjusting for baseline self-report and close indicators of asthma

***Definition 3a: definition 2, additionally adjusting for asthma symptoms

****Definition 3b: combination of definition 2 and 3a, additionally excluding at baseline anyone reporting shortness of breath or wheeze ever

*****Definition 4: using asthma incidence definition from Jacquemin et al. (2014) which corresponds to definition 3b except the outcome is based on self-report and may reflect undiagnosed asthma [40]

*****Definition 5: definition 1, additionally excluding those reporting year of asthma onset at or before baseline