

# **SUPPLEMENTAL MATERIAL**

**Table S1. CHD incidence by smoking status and intensity From Visit 1 to 2016 stratified by sex.**

	<b>Never Smokers</b>	<b>Former Smokers</b>	<b>Current Smokers</b>	<b>Current (1-19 cigarettes per day)</b>	<b>Current (<math>\geq 20</math> cigarettes per day)</b>
Crude CHD incidence (per 1000 person-years) for <i>Males</i>	4.4	7.8	5.0	5.8	3.8
Crude CHD incidence (per 1000 person-years) for <i>Females</i>	3.3	6.2	6.3	6.4	5.8

**Table S2. Association between smoking status and incident CHD From Visit 1 to 2016 (Propensity adjusted analysis).**

	Smoking Status		Smoking Intensity	
	Former vs Never Smokers	Current vs Never Smokers	Current (1-19 Cigarettes/D) vs Never Smokers	Current ( $\geq 20$ Cigarettes/D) vs Never Smokers
<b>Model</b>	1.30, p=0.107 (0.95,1.79)	<b>1.71, p=0.001</b> <b>(1.14,2.56)</b>	<b>1.93, p=0.004</b> <b>(1.24,3.00)</b>	1.19, p=0.649 (0.57,2.47)

Values are given as HR P Value (95% CI). CI indicates confidence interval; HR, Hazard ratio; P- values in bold are significant; Model : adjusted for age, sex, education level, diabetes, systolic blood pressure, body mass index, hypertension, total cholesterol, fasting triglycerides, physical activity and alcohol intake in the past 12 months.

\*n= 2874 for Never smokers; n= 723 for Former smokers; n= 329 for Current smokers; n= 329 for Current smokers using 1-19 cigarettes/day; n= 154 for Current smokers using  $\geq 20$  cigarettes/day

**Table S3. Association between smoking status and incident CHD From Visit 1 to 2016 (modified poisson regression).**

	Smoking Status		Smoking Intensity	
	Former vs Never Smokers	Current vs Never Smokers	Current (1-19 Cigarettes/D) vs Never Smokers	Current ( $\geq 20$ Cigarettes/D) vs Never Smokers
<b>Model</b>	1.22, p=0.283 (0.84, 1.79)	<b>1.96, p=0.009</b> <b>(1.18,3.25)</b>	<b>1.87, p=0.027</b> <b>(1.07, 3.26)</b>	1.40, p=0.449 (0.59, 3.34)

Values are given as RR P Value (95% CI). CI indicates confidence interval; RR, RR, Risk ratio; P- values in bold are significant; Model : adjusted for age, sex, education level, diabetes, systolic blood pressure, body mass index, hypertension, total cholesterol, fasting triglycerides, physical activity and alcohol intake in the past 12 months.

\*n= 2874 for Never smokers; n= 723 for Former smokers; n= 329 for Current smokers; n= 329 for Current smokers using 1-19 cigarettes/day; n= 154 for Current smokers using  $\geq 20$  cigarettes/day

**Table S4. Distribution of CAC scores at Visit 2 among JHS Participants by smoking Status.**

	<b>Never Smoker</b>	<b>Former Smoker</b>	<b>Current Smoker</b>
<b>Mean</b>	102.56	210.55	203.87
<b>75<sup>th</sup> percentile (Q3)</b>	37.58	143.31	114.09
<b>Median</b>	0.00	7.01	11.68
<b>25<sup>th</sup> percentile (Q1)</b>	0.00	0.00	0.00
<b>Mode</b>	0.00	0.00	0.00
<b>Standard Deviation</b>	355.51	542.45	526.81
<b>Range</b>	7877	5139	3842
<b>Interquartile Range (IQR)</b>	37.59	143.30	114.09
<b>Maximum</b>	7877.13	5138.75	3842.38

n= 2493 for total number of participants with CAC scores after exclusion of participants with missing covariates

**Table S5. Association between smoking status and CAC (Log Transformed) at Visit 2.**

	<b>Never Smokers</b>	<b>Former Smokers</b>	<b>Current Smokers</b>	<b>Current (1-19 Cigarettes/D)</b>	<b>Current (<math>\geq 20</math> Cigarettes/D)</b>
<b>Model 1</b>	0 (ref)	<b>0.32, p&lt;0.0001</b> <b>(0.22, 0.43)</b>	<b>0.93, p&lt;0.0001</b> <b>(0.79, 1.06)</b>	<b>0.73, p&lt;0.0001</b> <b>(0.57, 0.89)</b>	<b>1.25, p&lt;0.0001</b> <b>(0.11, 1.03)</b>
<b>Model 2</b>	0 (ref)	<b>0.21, p&lt;0.001</b> <b>(0.10, 0.32)</b>	<b>0.84, p&lt;0.0001</b> <b>(0.69, 0.99)</b>	<b>0.58, p&lt;0.0001</b> <b>(0.40, 0.75)</b>	<b>1.34, p&lt;0.0001</b> <b>(1.10, 1.59)</b>

Multivariable linear regression model for participants by smoking status and intensity with CAC scores

n= 2493; Values are given as  $\beta$  coefficients, P Value (95% CI). CI indicates confidence interval; P- values in bold are significant; Model 1: adjusted for age and sex; Model 2: Model 1 plus education level, diabetes, systolic blood pressure, body mass index, hypertension, total cholesterol, fasting triglycerides, physical activity, and alcohol intake in the past 12 months

**Figure S1. Distribution of non-transformed CAC scores at Visit 2 among JHS Participants by smoking Status.**

