

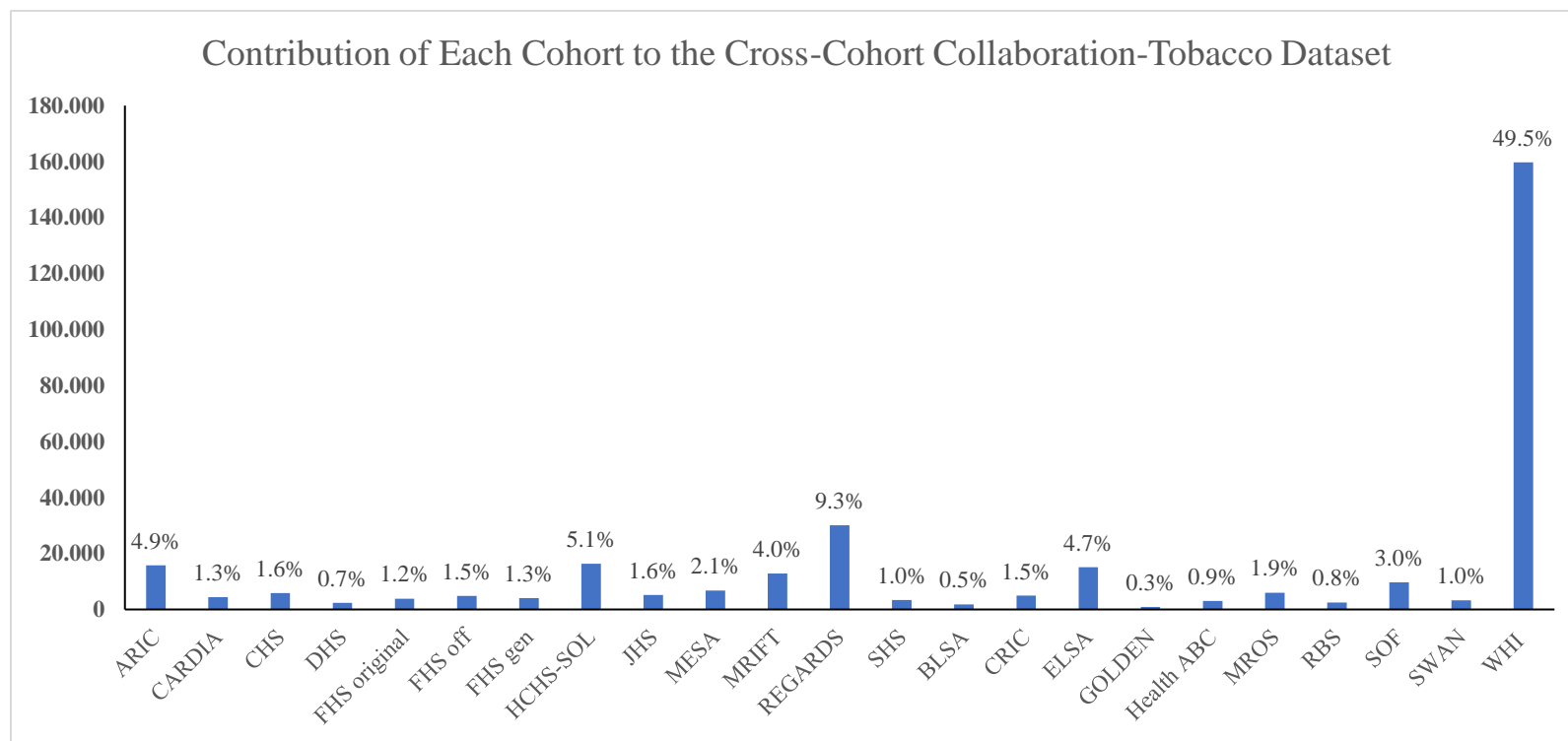
Supplementary table 1. Weblink for the Twenty-three Participating Cohorts of the Cross-Cohort Collaboration-Tobacco Dataset

Participating cohort	Website link
Atherosclerosis Risk in Communities Study (ARIC)	https://sites.csc.unc.edu/aric/desc
Coronary Artery Risk Development in Young Adults (CARDIA)	https://www.cardia.dopm.uab.edu/
Cardiovascular Health Study (CHS)	https://chs-nhlbi.org/
Dallas Heart Study (DHS)	https://www.utsouthwestern.edu/education/medical-school/departments/internal-medicine/research/dallas-heart/
Framingham Heart Study (FHS)	https://www.framinghamheartstudy.org/
Hispanic Community Health Study/Study of Latinos (HCHS-SOL)	https://sites.csc.unc.edu/hchs/
Jackson Heart Study (JHS)	https://www.jacksonheartstudy.org/
Multi-Ethnic Study of Atherosclerosis (MESA)	https://www.mesa-nhlbi.org/
The Multiple Risk Factor Intervention Trial (MRFIT)	https://biolincc.nhlbi.nih.gov/studies/mrfit/
Reasons for Geographic and Racial Differences in Stroke (REGARDS)	https://www.uab.edu/soph/regardsstudy/
Strong Heart Study (SHS)	https://strongheartstudy.org/
Baltimore Longitudinal Study of Aging (BLSA)	https://www.blsa.nih.gov/
Chronic Renal Insufficiency Cohort Study (CRIC)	http://www.cristudy.org/Chronic-Kidney-Disease/Chronic-Renal-Insufficiency-Cohort-Study/
Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)	https://pubmed.ncbi.nlm.nih.gov/22234482/
Genetics of Lipid Lowering Drugs and Diet Network (GOLDN)	https://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/study.cgi?study_id=phs000741.v1.p1
Health, Aging and Body Composition Study (Health ABC)	https://healthabc.nia.nih.gov/
The Osteoporotic Fractures in Men Study (MrOS)	https://mrosonline.ucsf.edu/
Rancho Bernardo Study (RBS) of Healthy Aging	https://knit.ucsd.edu/ranchobernardostudy/
The Study of Osteoporotic Fractures (SOF)	https://sofonline.ucsf.edu/
Study of Women's Health Across the Nation (SWAN)	https://www.swanstudy.org
Women's Health Initiative (WHI)	https://www.whi.org/

Supplementary table 2. Distribution of Race and Ethnicity Across Combustible Cigarette Smoking Status in the Cross-Cohort Collaboration-Tobacco Dataset

	Smoking status			
	Never	Former	Current	Total
Race and ethnicity, N (%)				
White	105,907 (47.08)	89,552 (39.81)	29,498 (13.11)	224,957 (100.00)
African - American	24,576 (51.18)	14,458 (30.11)	8,981 (18.70)	48,015 (100.00)
Asian	4,080 (72.92)	1,274 (22.77)	241 (4.31)	5,595 (100.00)
Hispanic	11,743 (59.68)	4,348 (22.10)	3,586 (18.22)	19,677 (100.00)
American Indian or Alaskan	3,824 (44.13)	3,026 (34.92)	1,815 (20.95)	8,665 (100.00)
other	105 (24.25)	138 (31.87)	190 (4.31)	433 (100.00)

Supplementary table 3. Inflammatory Markers Measurements at Baseline and Follow-up in the Cross-Cohort Collaboration-Tobacco Dataset		
Inflammatory markers	Baseline (N)	Follow up (N)
Interleukin-6	33,258	35,583
HsCRP	137,098	104,924
D-dimer	12,304	8,938
Fibrinogen	68,481	38,251
CAC score measurements	22,936	15,874
Carotid plaque	3,745	15,539
CIMT	8,716	12,429
Ankle-brachial index	43,123	20,021
GlycA	7,108	1,142
Factor vii	10,036	1,508
HsCRP: high-sensitive C-reactive protein; CAC: coronary artery calcium; CIMT: coronary intima-media thickness; ABI: ankle-brachial index.		



Supplementary Figure 1. Contribution of Each Cohort to the Cross-Cohort Collaboration-Tobacco Dataset. ARIC: Atherosclerosis Risk in Communities Study; CARDIA: Coronary Artery Risk Development in Young Adults Study; CHS: Cardiovascular Health Study; DHS: Dallas Heart Study; FHS: Framingham Heart Study; HCHS/SOL: Hispanic Community Health Study/Study of Latinos; JHS Jackson Heart Study; MESA: Multi-Ethnic Study of Atherosclerosis; MRFT: Multiple Risk Factor Intervention Trial; REGARDS: the Reasons for Geographic and Racial Differences in Stroke Study; SHS: the Strong Heart Study; BMI: body mass

index; BP: blood pressure; HPL: hyperlipidemia; HTG: hypertriglyceridemia; LDL-C: low density lipoprotein cholesterol; HDL-C: high density lipoprotein cholesterol

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