Supplemental Material

Table S1. ICD and CPT Codes for Data Collection.

Diagnosis / Procedure	ICD-10 Code	CPT Code
Lp(a) Test	--	83695
Aortic stenosis	I35.0	--
apolipoprotein-B100	--	82172
Coronary artery calcium	I25.84	--
Carotid stenosis	I65	00
Chronic kidney disease	N18-	--
Coronary computed tomography angiography	--	75571, 75572, 75573, 75574
Diabetes mellitus	E08-E13	--
End-stage renal disease	N18.6	--
Family history of cardiovascular disease	V17.1, V17.3, Z82.3, Z82.49,	--
Heart failure	I50	--
High-sensitivity C-reactive protein	--	86140, 86141
Hypothyroidism	E03-	--
Ischemic heart disease	I20-I25	--
Lipid panel	--	80061
Lipoprofile (NMR)	--	83704
Menopause	N95-	--
Peripheral vascular disease	I73	--
Stroke	I61, I63, I64	--

CPT = Current Procedural Terminology; ICD = International Classification of Diseases. Other abbreviations as per Table 1 and 2.

Table S2. Unique Lp(a) Testing by Year in Patients with Incident CVD Diagnoses or Cardiovascular Testing.

	Unique Lp(a) Testing by Diagnosis by Year										
	Overall	2013	2014	2015	2016	2017	2018	2019	2020	2021	P
Diagnosis											
AS	3.1 (836/27216)	3.1 (51/1642)	2.5 (41/1628)	2.6 (53/2045)	3.2 (117/3699)	3.9 (139/3532)	3.1 (119/3816)	2.8 (106/3740)	2.7 (88/3250)	2.2 (67/3108)	0.004
CAC	6.1 (612/10068)	7.6 (14/184)	4.1 (10/245)	5.2 (50/969)	5.9 (51/860)	7.1 (78/1040)	6.9 (85/1229)	5.8 (95/1628)	5.5 (99/1785)	5.9 (123/2089)	0.380
CS	3.2 (1227/38412)	3.5 (61/1768)	2.3 (39/1679)	2.4 (67/2748)	2.7 (138/5041)	3.4 (168/4972)	3.3 (180/5435)	3.2 (186/5746)	3.5 (173/4950)	3.5 (181/5178)	0.032
FHx	3.3 (4623/141128)	3.6 (131/3678)	3.5 (177/5048)	3.2 (242/7493)	3.1 (460/14672)	3.6 (629/17675)	3.4 (697/20434)	3.2 (753/23485)	2.7 (673/24685)	3.3 (700/21144)	<0.001
HF	1.9 (2129/114668)	1.3 (71/5437)	1.5 (85/5535)	1.3 (130/9826)	1.9 (294/15115)	2.3 (335/14458)	2.2 (341/15420)	1.8 (295/16670)	1.8 (267/15138)	1.7 (252/14715)	<0.001
IHD	2.9 (6469/222472)	4.3 (516/12034)	4.2 (459/11015)	1.8 (358/19459)	2.7 (820/30641)	2.7 (769/28390)	1.6 (478/29138)	2.4 (733/30159)	3.2 (879/27457)	2.7 (693/25747)	<0.001
PVD	2.0 (1132/57699)	2.2 (78/3618)	1.7 (60/3548)	1.4 (73/5115)	1.7 (124/7129)	2.2 (154/7134)	2.1 (149/7238)	2.1 (161/7821)	2.0 (152/7462)	1.8 (130/7289)	0.062
Stroke	1.7 (1202/68914)	1.5 (60/4119)	1.4 (58/4123)	1.6 (90/5634)	1.7 (141/8435)	1.6 (137/8602)	1.5 (141/9213)	1.9 (183/9623)	2.1 (190/9239)	1.7 (150/8812)	0.175

	Unique Lp(a) Testing by Test / Procedure by Year										
	Overall	2013	2014	2015	2016	2017	2018	2019	2020	2021	P
Test / Procedure											
apoB	63.0 (5188/8287)	28.9 (112/388)	68.6 (1172/1709)	79.6 (744/935)	55.7 (345/619)	61.9 (352/569)	60.4 (284/470)	56.2 (410/729)	65.5 (547/835)	59.4 (1158/1950)	<0.001
Lipoprofile NMR	15.8 (1831/11577)	9.3 (201/2164)	9.5 (179/1889)	15.9 (194/1221)	32.8 (212/646)	48.4 (267/552)	34.6 (284/820)	23.4 (239/1020)	13.3 (98/736)	18.5 (109/589)	<0.001
hsCRP	10.4 (9543/91327)	5.5 (471/8650)	11.1 (1381/12451)	10.9 (1047/9638)	8.7 (729/8367)	10.5 (845/8056)	11.4 (1086/9545)	11.3 (1339/11855)	9.8 (982/9979)	13.0 (1181/9108)	<0.001
CCTA	6.8 (1853/27311)	2.7 (22/802)	2.8 (41/1473)	4.1 (82/1999)	5.8 (140/2400)	9.2 (236/2580)	7.3 (247/3382)	8.0 (377/4690)	7.3 (338/4629)	6.9 (366/5285)	<0.001
Lipid Panel	1.8 (10753/590026)	2.4 (1893/78113)	1.7 (1572/92632)	1.5 (1224/80807)	1.7 (1065/64532)	2.0 (1146/56469)	2.2 (1142/52083)	1.9 (1082/57270)	1.4 (757/53441)	1.4 (781/54146)	<0.001

The table shows the number of participants who had a CVD diagnosis or cardiovascular testing in a given year and Lp(a) testing any time from 2012-2021. Values are presented as % (n with Lp(a) test / n diagnosed). The p-value refers to the trend in the rate of testing for each diagnosis of the study period. apoB = apolipoprotein-B100, AS = aortic stenosis, CAC = coronary artery

calcification, CCTA = coronary computed tomography angiography, CS = carotid stenosis, FHx = family history of CVD, HF = heart failure, hsCRP = high-sensitivity C-reactive protein, IHD = ischemic heart disease, NMR = nuclear magnetic resonance, PVD = peripheral vascular disease.

Table S3. Unique Lp(a) Testing by Year in Patients with Other Related Diagnoses.

	Unique Lp(a) Testing by Diagnosis by Year										
	Overall	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**P**
Diagnosis											
CKD	**1.2** (2228/186924)	**1.1** (194/17342)	**0.8** (103/12705)	**1.2** (205/16921)	**1.3** (284/22346)	**1.2** (255/20782)	**1.4** (275/20158)	**1.2** (301/24553)	**1.1** (244/22998)	**1.2** (251/21452)	**<0.001**
ESRD	**0.7** (411/55333)	**0.9** (29/3213)	**0.6** (27/4295)	**1.4** (87/6199)	**1.1** (71/6459)	**0.7** (46/6336)	**0.7** (42/5803)	**0.3** (33/10427)	**0.7** (40/5399)	**0.4** (21/5120)	**<0.001**
DM	**1.0** (3328/343012)	**1.2** (294/25486)	**0.9** (193/22760)	**1.1** (377/34547)	**1.1** 455/43409)	**1.1** (444/40271)	**0.9** (379/40445)	**0.8** (327/41380)	**0.9** (328/37833)	**0.7** (287/40327)	**<0.001**
Hypothyroidism	**1.2** (2927/244897)	**1.2** (252/20485)	**1.0** (197/19038)	**1.4** (350/25420)	**1.3** (438/32973)	**1.2** (330/28382)	**1.3** (356/28235)	**1.2** (345/28148)	**1.1** (280/26050)	**0.7** (172/23173)	**<0.001**
Menopause	**1.5** (1480/97288)	**1.6** (101/6325)	**1.4** (114/8405)	**1.6** (142/9068)	**1.7** (194/11529)	**1.6** (170/10473)	**1.5** (185/12365)	**1.8** (214/12231)	**1.5** (170/11338)	**1.0** (113/11281)	**<0.001**
Statin Use	**1.2** (12253/1046270)	**0.5** (320/65894)	**1.2** (920/74875)	**1.6** (1308/183139)	**1.3** (1071/185085)	**1.7** (1385/182792)	**1.3** (1470/111603)	**1.4** (1794/124341)	**1.0** (1585/152090)	**1.4** (2029/146556)	**<0.001**

The table shows the number of participants who had a relevant diagnosis in a given year and Lp(a) testing any time from 2012-2021. Values are presented as % (n with Lp(a) test / n diagnosed). The p-value refers to the trend in the rate of testing for each diagnosis of the study period. CKD = chronic kidney disease, ESRD = end-stage renal disease, DM = diabetes mellitus.