

Supplemental Table S2. Subgroup Analysis

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
<b>MI</b>										
<b>Age, yr</b>										
<65	0	960,297	7,813	1.27893	1 (Reference)	0.0001	1 (Reference)	0.4138	1 (Reference)	0.4199
	1	169,838	1,642	1.52616	1.196 (1.134–1.261)		1.127 (1.068–1.19)		1.121 (1.062–1.183)	
	2	109,437	1,119	1.61709	1.268 (1.191–1.35)		1.141 (1.071–1.216)		1.132 (1.062–1.207)	
	3	107,828	1,137	1.67127	1.311 (1.232–1.395)		1.131 (1.062–1.205)		1.12 (1.051–1.195)	
	4	215,216	2,431	1.79659	1.411 (1.349–1.477)		1.159 (1.104–1.216)		1.143 (1.086–1.202)	
≥65	0	51,884	1,213	3.77716	1 (Reference)		1 (Reference)		1 (Reference)	
	1	8,431	207	3.99679	1.059 (0.914–1.227)		1.114 (0.961–1.292)		1.108 (0.956–1.285)	
	2	5,017	136	4.42018	1.173 (0.983–1.401)		1.217 (1.019–1.454)		1.209 (1.012–1.444)	
	3	4,560	116	4.16536	1.105 (0.914–1.337)		1.147 (0.948–1.389)		1.138 (0.94–1.378)	
	4	7,619	166	3.56987	0.948 (0.806–1.115)		0.996 (0.846–1.172)		0.984 (0.835–1.159)	
<b>Sex</b>										
Male	0	747,583	7,660	1.61509	1 (Reference)	<0.0001	1 (Reference)	0.5914	1 (Reference)	0.5995
	1	116,915	1,454	1.97129	1.223 (1.156–1.294)		1.148 (1.084–1.214)		1.14 (1.077–1.207)	
	2	79,656	992	1.97684	1.228 (1.149–1.312)		1.148 (1.074–1.228)		1.139 (1.064–1.218)	
	3	82,252	1,006	1.94599	1.209 (1.132–1.292)		1.121 (1.048–1.199)		1.11 (1.037–1.188)	
	4	168,824	2,150	2.03362	1.266 (1.207–1.328)		1.152 (1.095–1.212)		1.135 (1.076–1.197)	
Female	0	264,598	1,366	0.80955	1 (Reference)		1 (Reference)		1 (Reference)	
	1	61,354	395	1.01255	1.252 (1.12–1.401)		1.06 (0.948–1.186)		1.055 (0.943–1.18)	
	2	34,798	263	1.19037	1.473 (1.291–1.681)		1.162 (1.018–1.326)		1.153 (1.01–1.316)	
	3	30,136	247	1.29177	1.599 (1.397–1.831)		1.198 (1.046–1.373)		1.187 (1.035–1.36)	
	4	54,011	447	1.30554	1.616 (1.453–1.799)		1.144 (1.027–1.275)		1.129 (1.012–1.258)	
<b>Smoking</b>										
No	0	749,969	5,683	1.19069	1 (Reference)	0.0212	1 (Reference)	0.2329	1 (Reference)	0.2304
	1	129,529	1,088	1.32459	1.114 (1.044–1.189)		1.084 (1.015–1.157)		1.077 (1.009–1.151)	
	2	79,173	724	1.44462	1.216 (1.126–1.314)		1.15 (1.064–1.244)		1.141 (1.055–1.234)	
	3	73,436	666	1.43505	1.209 (1.116–1.31)		1.115 (1.028–1.209)		1.104 (1.017–1.198)	
	4	133,872	1,296	1.53504	1.294 (1.219–1.375)		1.173 (1.102–1.249)		1.157 (1.085–1.233)	
Yes	0	262,212	3,343	2.01717	1 (Reference)		1 (Reference)		1 (Reference)	
	1	48,740	761	2.48446	1.234 (1.141–1.335)		1.198 (1.107–1.297)		1.191 (1.1–1.289)	
	2	35,281	531	2.39643	1.191 (1.087–1.306)		1.154 (1.052–1.265)		1.144 (1.043–1.255)	
	3	38,952	587	2.40499	1.196 (1.096–1.306)		1.163 (1.064–1.27)		1.151 (1.052–1.258)	
	4	88,963	1,301	2.34271	1.167 (1.095–1.244)		1.132 (1.059–1.209)		1.114 (1.041–1.193)	
<b>Drinking</b>										
No	0	470,468	4,647	1.55692	1 (Reference)	0.0003	1 (Reference)	0.3324	1 (Reference)	0.3377
	1	74,544	791	1.67801	1.079 (1.001–1.164)		1.104 (1.023–1.191)		1.097 (1.016–1.184)	
	2	41,425	482	1.84306	1.186 (1.08–1.303)		1.171 (1.066–1.288)		1.161 (1.056–1.277)	
	3	35,014	435	1.97154	1.27 (1.151–1.401)		1.225 (1.109–1.353)		1.212 (1.097–1.34)	
	4	56,365	670	1.88826	1.216 (1.122–1.319)		1.167 (1.074–1.268)		1.15 (1.057–1.252)	
Yes	0	541,713	4,379	1.27097	1 (Reference)		1 (Reference)		1 (Reference)	
	1	103,725	1,058	1.61206	1.271 (1.189–1.36)		1.146 (1.071–1.226)		1.14 (1.065–1.219)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
	2	73,029	773	1.67596	1.323 (1.225–1.428)		1.137 (1.053–1.228)		1.129 (1.045–1.219)	
	3	77,374	818	1.67784	1.325 (1.23–1.428)		1.091 (1.012–1.176)		1.081 (1.002–1.166)	
	4	166,470	1,927	1.84438	1.459 (1.383–1.54)		1.142 (1.08–1.206)		1.125 (1.063–1.192)	
Regular exercise										
No	0	754,438	6,759	1.41148	1 (Reference)	0.956	1 (Reference)	0.9971	1 (Reference)	0.9971
	1	134,361	1,398	1.64617	1.168 (1.103–1.238)		1.123 (1.06–1.191)		1.116 (1.053–1.183)	
	2	86,210	955	1.75581	1.247 (1.166–1.335)		1.151 (1.075–1.233)		1.141 (1.065–1.223)	
	3	84,773	953	1.7857	1.269 (1.186–1.358)		1.135 (1.059–1.216)		1.123 (1.047–1.204)	
	4	172,006	2,030	1.8807	1.339 (1.274–1.407)		1.153 (1.095–1.215)		1.136 (1.076–1.2)	
Yes	0	257,743	2,267	1.38102	1 (Reference)		1 (Reference)		1 (Reference)	
	1	43,908	451	1.61967	1.175 (1.062–1.3)		1.143 (1.033–1.265)		1.137 (1.027–1.258)	
	2	28,244	300	1.67746	1.218 (1.08–1.374)		1.152 (1.021–1.3)		1.143 (1.013–1.291)	
	3	27,615	300	1.71934	1.249 (1.107–1.409)		1.139 (1.009–1.286)		1.129 (1–1.274)	
	4	50,829	567	1.77059	1.288 (1.175–1.412)		1.141 (1.04–1.253)		1.126 (1.024–1.237)	
HTN										
No	0	818,279	6,134	1.1777	1 (Reference)	<0.0001	1 (Reference)	0.0011	1 (Reference)	0.0013
	1	131,238	1,139	1.36895	1.165 (1.093–1.241)		1.168 (1.096–1.245)		1.161 (1.089–1.238)	
	2	80,332	725	1.4253	1.213 (1.123–1.31)		1.178 (1.09–1.273)		1.168 (1.081–1.263)	
	3	75,750	720	1.50404	1.281 (1.186–1.384)		1.215 (1.123–1.313)		1.203 (1.111–1.301)	
	4	142,850	1,420	1.57724	1.345 (1.27–1.425)		1.228 (1.157–1.303)		1.21 (1.138–1.287)	
Yes	0	193,902	2,892	2.36724	1 (Reference)		1 (Reference)		1 (Reference)	
	1	47,031	710	2.40135	1.016 (0.936–1.102)		1.054 (0.971–1.145)		1.049 (0.966–1.139)	
	2	34,122	530	2.47565	1.048 (0.955–1.149)		1.097 (0.999–1.204)		1.09 (0.992–1.196)	
	3	36,638	533	2.32284	0.984 (0.897–1.079)		1.023 (0.932–1.123)		1.014 (0.924–1.114)	
	4	79,985	1,177	2.35725	1 (0.934–1.07)		1.045 (0.975–1.121)		1.032 (0.961–1.108)	
DLP										
No	0	876,657	7,143	1.28173	1 (Reference)	<0.0001	1 (Reference)	0.0264	1 (Reference)	0.0292
	1	142,984	1,339	1.47965	1.157 (1.091–1.226)		1.151 (1.085–1.221)		1.144 (1.078–1.213)	
	2	88,801	870	1.55067	1.213 (1.131–1.302)		1.167 (1.087–1.253)		1.158 (1.078–1.244)	
	3	85,634	850	1.57443	1.233 (1.148–1.323)		1.145 (1.065–1.23)		1.134 (1.054–1.219)	
	4	164,393	1,776	1.72025	1.349 (1.28–1.421)		1.205 (1.141–1.272)		1.187 (1.122–1.256)	
Yes	0	135,524	1,883	2.19675	1 (Reference)		1 (Reference)		1 (Reference)	
	1	35,285	510	2.28958	1.043 (0.946–1.151)		1.057 (0.958–1.166)		1.051 (0.953–1.16)	
	2	25,653	385	2.38091	1.086 (0.973–1.212)		1.097 (0.982–1.224)		1.089 (0.975–1.216)	
	3	26,754	403	2.39465	1.093 (0.981–1.217)		1.096 (0.984–1.221)		1.086 (0.975–1.211)	
	4	58,442	821	2.23579	1.021 (0.941–1.108)		1.027 (0.945–1.116)		1.014 (0.931–1.103)	
BMI, kg/m <sup>2</sup>										
<25	0	730,861	5,938	1.27784	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	109,835	1,036	1.49049	1.169 (1.094–1.248)		1.152 (1.078–1.231)		1.145 (1.071–1.224)	
	2	64,749	674	1.6486	1.294 (1.195–1.401)		1.219 (1.125–1.321)		1.21 (1.116–1.311)	
	3	59,111	675	1.81436	1.425 (1.316–1.543)		1.288 (1.189–1.396)		1.276 (1.177–1.384)	
	4	109,466	1,261	1.83737	1.445 (1.36–1.536)		1.256 (1.18–1.337)		1.238 (1.16–1.32)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
$\geq 25$	0	281,320	3,088	1.73168	1 (Reference)		1 (Reference)		1 (Reference)	
	1	68,434	813	1.87924	1.087 (1.006–1.174)		1.078 (0.997–1.165)		1.072 (0.992–1.159)	
	2	49,705	581	1.8508	1.071 (0.98–1.17)		1.054 (0.965–1.153)		1.047 (0.957–1.145)	
	3	53,277	578	1.71953	0.995 (0.911–1.088)		0.97 (0.887–1.061)		0.961 (0.878–1.052)	
	4	113,369	1,336	1.87296	1.086 (1.018–1.158)		1.033 (0.967–1.104)		1.02 (0.954–1.091)	
FLI										
<30	0	734,880	5,503	1.17701	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	90,600	703	1.22397	1.042 (0.963–1.127)		1.098 (1.014–1.189)		1.098 (1.014–1.189)	
	2	45,278	374	1.30508	1.112 (1.001–1.234)		1.157 (1.041–1.286)		1.157 (1.041–1.286)	
	3	34,229	328	1.5195	1.295 (1.159–1.448)		1.329 (1.188–1.487)		1.329 (1.187–1.487)	
	4	39,875	334	1.32774	1.132 (1.014–1.264)		1.222 (1.092–1.367)		1.222 (1.091–1.368)	
<60	0	226,554	2,797	1.94963	1 (Reference)		1 (Reference)		1 (Reference)	
	1	60,616	743	1.94003	0.996 (0.918–1.08)		1.026 (0.946–1.113)		1.026 (0.946–1.113)	
	2	43,076	536	1.97205	1.013 (0.923–1.111)		1.059 (0.965–1.162)		1.059 (0.964–1.162)	
	3	42,685	488	1.81281	0.931 (0.846–1.025)		0.976 (0.886–1.075)		0.976 (0.886–1.076)	
	4	72,746	806	1.76292	0.907 (0.838–0.981)		0.967 (0.892–1.047)		0.967 (0.892–1.048)	
$\geq 60$	0	50,747	726	2.26816	1 (Reference)		1 (Reference)		1 (Reference)	
	1	27,053	403	2.3657	1.044 (0.924–1.179)		1.069 (0.946–1.208)		1.069 (0.946–1.208)	
	2	26,100	345	2.0988	0.926 (0.815–1.053)		0.964 (0.848–1.096)		0.964 (0.848–1.096)	
	3	35,474	437	1.95863	0.865 (0.768–0.974)		0.908 (0.806–1.023)		0.908 (0.806–1.023)	
	4	110,214	1,457	2.10894	0.932 (0.853–1.019)		0.969 (0.885–1.061)		0.969 (0.884–1.061)	
Stroke										
Age, yr										
<65	0	960,297	6,186	1.01228	1 (Reference)	0.001	1 (Reference)	0.9502	1 (Reference)	0.9491
	1	169,838	1,429	1.3281	1.312 (1.239–1.39)		1.213 (1.145–1.286)		1.222 (1.153–1.296)	
	2	109,437	918	1.32606	1.31 (1.223–1.405)		1.156 (1.078–1.24)		1.168 (1.088–1.253)	
	3	107,828	1,052	1.54642	1.529 (1.432–1.632)		1.288 (1.205–1.377)		1.304 (1.219–1.395)	
	4	215,216	2,275	1.68161	1.663 (1.585–1.744)		1.331 (1.265–1.4)		1.356 (1.285–1.429)	
$\geq 65$	0	51,884	1,689	5.28959	1 (Reference)		1 (Reference)		1 (Reference)	
	1	8,431	322	6.26011	1.184 (1.051–1.334)		1.229 (1.091–1.385)		1.238 (1.098–1.395)	
	2	5,017	192	6.27819	1.188 (1.023–1.379)		1.221 (1.051–1.419)		1.233 (1.061–1.432)	
	3	4,560	188	6.80191	1.287 (1.107–1.497)		1.303 (1.12–1.516)		1.317 (1.132–1.533)	
	4	7,619	312	6.77079	1.282 (1.136–1.446)		1.296 (1.148–1.465)		1.318 (1.166–1.49)	
Sex										
Male										
Male	0	747,583	6,646	1.40118	1 (Reference)	<0.0001	1 (Reference)	0.8853	1 (Reference)	0.8813
	1	116,915	1,329	1.8021	1.287 (1.213–1.365)		1.218 (1.148–1.293)		1.228 (1.157–1.304)	
	2	79,656	872	1.73734	1.241 (1.156–1.331)		1.183 (1.102–1.271)		1.195 (1.112–1.284)	
	3	82,252	1,000	1.93473	1.382 (1.293–1.477)		1.308 (1.222–1.4)		1.324 (1.236–1.418)	
	4	168,824	2,105	1.99179	1.423 (1.355–1.494)		1.338 (1.27–1.409)		1.362 (1.29–1.438)	
Female										
Female	0	264,598	1,229	0.72846	1 (Reference)		1 (Reference)		1 (Reference)	
	1	61,354	422	1.08223	1.486 (1.33–1.66)		1.208 (1.081–1.35)		1.215 (1.088–1.358)	
	2	34,798	238	1.07719	1.479 (1.287–1.699)		1.113 (0.968–1.279)		1.123 (0.977–1.291)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
	3	30,136	240	1.25619	1.725 (1.502–1.981)		1.23 (1.071–1.413)		1.244 (1.083–1.43)	
	4	54,011	482	1.4089	1.935 (1.741–2.15)		1.294 (1.164–1.44)		1.317 (1.182–1.466)	
<b>Smoking</b>										
No	0	749,969	5,106	1.06993	1 (Reference)	0.0978	1 (Reference)	0.5382	1 (Reference)	0.5446
	1	129,529	1,119	1.36301	1.274 (1.194–1.359)		1.23 (1.152–1.313)		1.238 (1.16–1.322)	
	2	79,173	650	1.29676	1.212 (1.117–1.316)		1.145 (1.054–1.243)		1.156 (1.064–1.256)	
	3	73,436	723	1.55903	1.458 (1.349–1.576)		1.342 (1.24–1.452)		1.357 (1.254–1.47)	
	4	133,872	1,330	1.57632	1.474 (1.388–1.566)		1.338 (1.257–1.424)		1.361 (1.276–1.451)	
Yes	0	262,212	2,769	1.67011	1 (Reference)		1 (Reference)		1 (Reference)	
	1	48,740	632	2.06245	1.235 (1.133–1.347)		1.197 (1.097–1.305)		1.206 (1.105–1.316)	
	2	35,281	460	2.07572	1.243 (1.127–1.372)		1.203 (1.089–1.328)		1.215 (1.1–1.342)	
	3	38,952	517	2.11737	1.269 (1.155–1.394)		1.228 (1.117–1.35)		1.243 (1.13–1.368)	
	4	88,963	1,257	2.264	1.357 (1.269–1.451)		1.317 (1.23–1.411)		1.342 (1.251–1.441)	
<b>Drinking</b>										
No	0	470,468	3,909	1.30945	1 (Reference)	0.0006	1 (Reference)	0.885	1 (Reference)	0.8842
	1	74,544	751	1.59332	1.217 (1.125–1.316)		1.229 (1.136–1.33)		1.239 (1.144–1.341)	
	2	41,425	406	1.552	1.185 (1.07–1.313)		1.166 (1.052–1.293)		1.179 (1.062–1.307)	
	3	35,014	377	1.70865	1.305 (1.174–1.451)		1.263 (1.135–1.406)		1.279 (1.149–1.425)	
	4	56,365	624	1.75879	1.344 (1.235–1.462)		1.288 (1.181–1.405)		1.311 (1.201–1.433)	
Yes	0	541,713	3,966	1.15122	1 (Reference)		1 (Reference)		1 (Reference)	
	1	103,725	1,000	1.52424	1.325 (1.236–1.42)		1.21 (1.128–1.297)		1.218 (1.136–1.306)	
	2	73,029	704	1.52625	1.327 (1.224–1.437)		1.171 (1.081–1.27)		1.182 (1.09–1.282)	
	3	77,374	863	1.77106	1.54 (1.43–1.657)		1.308 (1.215–1.409)		1.324 (1.228–1.427)	
	4	166,470	1,963	1.87998	1.636 (1.549–1.726)		1.346 (1.273–1.423)		1.37 (1.293–1.452)	
<b>Regular exercise</b>										
No	0	754,438	5,891	1.23018	1 (Reference)	0.5252	1 (Reference)	0.6123	1 (Reference)	0.6124
	1	134,361	1,328	1.56415	1.272 (1.198–1.35)		1.215 (1.144–1.29)		1.224 (1.152–1.3)	
	2	86,210	830	1.52574	1.241 (1.154–1.334)		1.145 (1.064–1.233)		1.157 (1.075–1.246)	
	3	84,773	961	1.80155	1.466 (1.369–1.569)		1.315 (1.227–1.409)		1.331 (1.241–1.428)	
	4	172,006	2,025	1.87694	1.528 (1.453–1.607)		1.335 (1.266–1.407)		1.359 (1.286–1.437)	
Yes	0	257,743	1,984	1.20862	1 (Reference)		1 (Reference)		1 (Reference)	
	1	43,908	423	1.51948	1.258 (1.132–1.397)		1.227 (1.104–1.363)		1.235 (1.112–1.373)	
	2	28,244	280	1.56544	1.296 (1.143–1.469)		1.243 (1.097–1.41)		1.255 (1.106–1.423)	
	3	27,615	279	1.59893	1.324 (1.168–1.501)		1.223 (1.079–1.388)		1.237 (1.09–1.404)	
	4	50,829	562	1.75588	1.454 (1.324–1.597)		1.313 (1.194–1.443)		1.335 (1.213–1.47)	
<b>HTN</b>										
No	0	818,279	4,765	0.91456	1 (Reference)	<0.0001	1 (Reference)	0.0001	1 (Reference)	0.0001
	1	131,238	994	1.19461	1.307 (1.22–1.399)		1.325 (1.237–1.42)		1.337 (1.247–1.432)	
	2	80,332	580	1.13971	1.247 (1.144–1.359)		1.241 (1.138–1.353)		1.255 (1.15–1.369)	
	3	75,750	601	1.25523	1.373 (1.262–1.495)		1.346 (1.235–1.466)		1.364 (1.251–1.487)	
	4	142,850	1,235	1.37156	1.501 (1.41–1.598)		1.429 (1.34–1.523)		1.457 (1.364–1.557)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
Yes	0	193,902	3,110	2.5489	1 (Reference)		1 (Reference)		1 (Reference)	
	1	47,031	757	2.56318	1.006 (0.929–1.089)		1.085 (1.002–1.175)		1.093 (1.009–1.184)	
	2	34,122	530	2.47713	0.972 (0.887–1.066)		1.08 (0.984–1.185)		1.09 (0.993–1.196)	
	3	36,638	639	2.78887	1.095 (1.005–1.192)		1.222 (1.121–1.332)		1.236 (1.133–1.348)	
	4	79,985	1,352	2.71206	1.065 (0.999–1.135)		1.222 (1.144–1.306)		1.244 (1.163–1.331)	
DLP										
No	0	876,657	6,407	1.14978	1 (Reference)	<0.0001	1 (Reference)	0.0643	1 (Reference)	0.0581
	1	142,984	1,293	1.42935	1.243 (1.171–1.32)		1.216 (1.145–1.291)		1.225 (1.153–1.302)	
	2	88,801	822	1.46542	1.275 (1.186–1.371)		1.211 (1.125–1.303)		1.223 (1.136–1.317)	
	3	85,634	885	1.64019	1.427 (1.331–1.531)		1.303 (1.213–1.399)		1.319 (1.228–1.418)	
	4	164,393	1,851	1.79408	1.562 (1.483–1.645)		1.375 (1.302–1.451)		1.401 (1.324–1.482)	
Yes	0	135,524	1,468	1.71119	1 (Reference)		1 (Reference)		1 (Reference)	
	1	35,285	458	2.05562	1.201 (1.082–1.334)		1.207 (1.086–1.341)		1.215 (1.093–1.35)	
	2	25,653	288	1.77857	1.04 (0.916–1.179)		1.047 (0.922–1.188)		1.056 (0.93–1.199)	
	3	26,754	355	2.10868	1.233 (1.098–1.384)		1.248 (1.11–1.402)		1.262 (1.123–1.418)	
	4	58,442	736	2.00424	1.172 (1.073–1.28)		1.207 (1.103–1.32)		1.227 (1.12–1.344)	
BMI, kg/m <sup>2</sup>										
<25	0	730,861	5,384	1.15876	1 (Reference)	<0.0001	1 (Reference)	0.0001	1 (Reference)	<0.0001
	1	109,835	985	1.4174	1.224 (1.143–1.31)		1.175 (1.097–1.258)		1.184 (1.106–1.269)	
	2	64,749	623	1.5242	1.316 (1.211–1.43)		1.208 (1.111–1.314)		1.221 (1.123–1.328)	
	3	59,111	679	1.82586	1.577 (1.456–1.708)		1.376 (1.269–1.492)		1.394 (1.285–1.512)	
	4	109,466	1,354	1.97432	1.708 (1.609–1.812)		1.433 (1.348–1.524)		1.462 (1.372–1.558)	
≥25	0	281,320	2,491	1.39636	1 (Reference)		1 (Reference)		1 (Reference)	
	1	68,434	766	1.77121	1.269 (1.17–1.376)		1.262 (1.164–1.369)		1.271 (1.172–1.379)	
	2	49,705	487	1.55035	1.11 (1.008–1.224)		1.105 (1.002–1.218)		1.115 (1.011–1.23)	
	3	53,277	561	1.66943	1.196 (1.091–1.311)		1.185 (1.08–1.3)		1.199 (1.093–1.316)	
	4	113,369	1,233	1.72897	1.239 (1.157–1.326)		1.209 (1.128–1.297)		1.23 (1.145–1.321)	
FLI										
<30	0	734,880	5,057	1.0818	1 (Reference)	0.0008	1 (Reference)	0.0039	1 (Reference)	0.0033
	1	90,600	741	1.29097	1.194 (1.105–1.29)		1.215 (1.124–1.314)		1.227 (1.135–1.327)	
	2	45,278	372	1.29858	1.201 (1.081–1.335)		1.198 (1.077–1.332)		1.213 (1.091–1.35)	
	3	34,229	338	1.56724	1.45 (1.299–1.619)		1.403 (1.255–1.568)		1.424 (1.274–1.592)	
	4	39,875	369	1.468	1.358 (1.222–1.51)		1.373 (1.233–1.529)		1.405 (1.261–1.566)	
<60	0	226,554	2,251	1.56829	1 (Reference)		1 (Reference)		1 (Reference)	
	1	60,616	663	1.73088	1.104 (1.012–1.203)		1.114 (1.021–1.215)		1.123 (1.029–1.225)	
	2	43,076	456	1.67747	1.07 (0.967–1.183)		1.091 (0.986–1.207)		1.102 (0.996–1.22)	
	3	42,685	458	1.70149	1.085 (0.981–1.2)		1.095 (0.99–1.212)		1.108 (1.002–1.227)	
	4	72,746	870	1.90404	1.215 (1.123–1.314)		1.224 (1.13–1.326)		1.247 (1.15–1.352)	
≥60	0	50,747	567	1.77006	1 (Reference)		1 (Reference)		1 (Reference)	
	1	27,053	347	2.03664	1.152 (1.008–1.317)		1.167 (1.021–1.334)		1.179 (1.031–1.348)	
	2	26,100	282	1.71371	0.968 (0.839–1.117)		0.991 (0.859–1.143)		1.003 (0.869–1.158)	
	3	35,474	444	1.99032	1.126 (0.994–1.275)		1.157 (1.021–1.311)		1.174 (1.036–1.33)	
	4	110,214	1,348	1.95175	1.104 (1.001–1.218)		1.105 (1.001–1.221)		1.129 (1.021–1.248)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
<b>CVD</b>										
<b>Age, yr</b>										
<65	0	960,297	13,674	2.2445	1 (Reference)	<0.0001	1 (Reference)	0.6868	1 (Reference)	0.6866
	1	169,838	2,997	2.7958	1.247 (1.199–1.297)		1.166 (1.12–1.213)		1.167 (1.121–1.215)	
	2	109,437	1,981	2.8728	1.282 (1.223–1.344)		1.143 (1.09–1.199)		1.145 (1.091–1.201)	
	3	107,828	2,131	3.1454	1.404 (1.342–1.47)		1.199 (1.145–1.256)		1.201 (1.145–1.259)	
	4	215,216	4,584	3.4028	1.521 (1.471–1.572)		1.233 (1.191–1.278)		1.236 (1.191–1.283)	
≥65	0	51,884	2,781	8.7774	1 (Reference)		1 (Reference)		1 (Reference)	
	1	8,431	509	9.9788	1.138 (1.036–1.251)		1.19 (1.083–1.308)		1.191 (1.083–1.31)	
	2	5,017	314	10.3593	1.183 (1.053–1.33)		1.224 (1.089–1.376)		1.226 (1.09–1.378)	
	3	4,560	287	10.4735	1.197 (1.06–1.351)		1.228 (1.087–1.387)		1.229 (1.088–1.389)	
	4	7,619	459	10.0314	1.147 (1.039–1.266)		1.182 (1.07–1.306)		1.184 (1.072–1.309)	
<b>Sex</b>										
Male	0	747,583	13,919	2.94585	1 (Reference)	<0.0001	1 (Reference)	0.9345	1 (Reference)	0.9336
	1	116,915	2,705	3.68546	1.253 (1.202–1.306)		1.18 (1.132–1.23)		1.181 (1.133–1.232)	
	2	79,656	1,807	3.6174	1.23 (1.171–1.292)		1.16 (1.104–1.22)		1.161 (1.105–1.221)	
	3	82,252	1,944	3.77946	1.286 (1.226–1.349)		1.203 (1.146–1.263)		1.204 (1.147–1.265)	
	4	168,824	4,137	3.93335	1.34 (1.294–1.387)		1.235 (1.19–1.281)		1.237 (1.19–1.286)	
Female	0	264,598	2,536	1.50588	1 (Reference)		1 (Reference)		1 (Reference)	
	1	61,354	801	2.05907	1.369 (1.264–1.482)		1.137 (1.05–1.232)		1.138 (1.051–1.232)	
	2	34,798	488	2.21459	1.472 (1.336–1.622)		1.136 (1.031–1.252)		1.137 (1.032–1.253)	
	3	30,136	474	2.48777	1.654 (1.5–1.825)		1.211 (1.098–1.336)		1.212 (1.098–1.338)	
	4	54,011	906	2.65597	1.767 (1.638–1.906)		1.217 (1.128–1.314)		1.219 (1.128–1.317)	
<b>Smoking</b>										
No	0	749,969	10,515	2.20937	1 (Reference)	0.0049	1 (Reference)	0.4648	1 (Reference)	0.4662
	1	129,529	2,149	2.62573	1.19 (1.136–1.246)		1.153 (1.1–1.208)		1.153 (1.1–1.209)	
	2	79,173	1,335	2.67235	1.211 (1.144–1.282)		1.144 (1.08–1.211)		1.145 (1.08–1.213)	
	3	73,436	1,351	2.92314	1.326 (1.253–1.403)		1.22 (1.152–1.292)		1.221 (1.153–1.294)	
	4	133,872	2,562	3.0472	1.383 (1.324–1.444)		1.252 (1.197–1.309)		1.254 (1.197–1.312)	
Yes	0	262,212	5,940	3.60058	1 (Reference)		1 (Reference)		1 (Reference)	
	1	48,740	1,357	4.45595	1.239 (1.168–1.315)		1.201 (1.132–1.275)		1.202 (1.133–1.276)	
	2	35,281	960	4.35718	1.212 (1.132–1.298)		1.173 (1.095–1.256)		1.174 (1.096–1.257)	
	3	38,952	1,067	4.39606	1.224 (1.146–1.306)		1.186 (1.11–1.266)		1.187 (1.111–1.268)	
	4	88,963	2,481	4.49358	1.252 (1.195–1.312)		1.212 (1.155–1.271)		1.213 (1.155–1.275)	
<b>Drinking</b>										
No	0	470,468	8,323	2.79819	1 (Reference)	<0.0001	1 (Reference)	0.8746	1 (Reference)	0.874
	1	74,544	1,500	3.19537	1.143 (1.082–1.207)		1.162 (1.099–1.228)		1.163 (1.1–1.23)	
	2	41,425	858	3.29398	1.178 (1.098–1.264)		1.162 (1.083–1.248)		1.163 (1.083–1.249)	
	3	35,014	787	3.58325	1.283 (1.192–1.38)		1.238 (1.15–1.333)		1.239 (1.15–1.335)	
	4	56,365	1,256	3.55552	1.273 (1.2–1.351)		1.219 (1.147–1.296)		1.221 (1.148–1.299)	
Yes	0	541,713	8,132	2.36767	1 (Reference)		1 (Reference)		1 (Reference)	
	1	103,725	2,006	3.0694	1.298 (1.236–1.363)		1.178 (1.121–1.237)		1.179 (1.122–1.238)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
	2	73,029	1,437	3.12792	1.324 (1.252–1.4)		1.152 (1.089–1.219)		1.153 (1.089–1.22)	
	3	77,374	1,631	3.3611	1.423 (1.35–1.501)		1.19 (1.127–1.255)		1.191 (1.128–1.257)	
	4	166,470	3,787	3.64261	1.544 (1.486–1.605)		1.236 (1.188–1.286)		1.238 (1.188–1.29)	
Regular exercise										
No	0	754,438	12,324	2.58216	1 (Reference)	0.8225	1 (Reference)	0.9412	1 (Reference)	0.9413
	1	134,361	2,653	3.13693	1.216 (1.166–1.268)		1.165 (1.117–1.216)		1.166 (1.117–1.217)	
	2	86,210	1,739	3.21002	1.245 (1.184–1.309)		1.149 (1.092–1.208)		1.15 (1.092–1.21)	
	3	84,773	1,853	3.48882	1.354 (1.29–1.422)		1.212 (1.153–1.274)		1.213 (1.154–1.276)	
	4	172,006	3,938	3.66593	1.424 (1.374–1.476)		1.233 (1.187–1.28)		1.235 (1.187–1.284)	
Yes	0	257,743	4,131	2.52465	1 (Reference)		1 (Reference)		1 (Reference)	
	1	43,908	853	3.0767	1.22 (1.133–1.313)		1.189 (1.104–1.28)		1.19 (1.105–1.281)	
	2	28,244	556	3.12105	1.238 (1.133–1.353)		1.178 (1.078–1.288)		1.179 (1.079–1.289)	
	3	27,615	565	3.2515	1.291 (1.182–1.409)		1.183 (1.083–1.292)		1.184 (1.083–1.293)	
	4	50,829	1,105	3.46748	1.378 (1.289–1.472)		1.229 (1.149–1.315)		1.231 (1.15–1.318)	
HTN										
No	0	818,279	10,656	2.05093	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	131,238	2,093	2.5237	1.232 (1.176–1.291)		1.242 (1.185–1.302)		1.243 (1.186–1.304)	
	2	80,332	1,275	2.51401	1.228 (1.158–1.301)		1.205 (1.137–1.278)		1.207 (1.138–1.28)	
	3	75,750	1,280	2.68295	1.311 (1.237–1.389)		1.261 (1.189–1.337)		1.263 (1.191–1.34)	
	4	142,850	2,597	2.89473	1.415 (1.356–1.477)		1.315 (1.259–1.375)		1.319 (1.26–1.38)	
Yes	0	193,902	5,799	4.77946	1 (Reference)		1 (Reference)		1 (Reference)	
	1	47,031	1,413	4.81205	1.008 (0.951–1.068)		1.065 (1.004–1.129)		1.066 (1.005–1.13)	
	2	34,122	1,020	4.79484	1.004 (0.94–1.073)		1.081 (1.011–1.156)		1.082 (1.012–1.157)	
	3	36,638	1,138	4.99551	1.047 (0.983–1.116)		1.125 (1.055–1.199)		1.126 (1.056–1.201)	
	4	79,985	2,446	4.93398	1.035 (0.987–1.085)		1.128 (1.075–1.185)		1.131 (1.076–1.189)	
DLP										
No	0	876,657	13,197	2.37531	1 (Reference)	<0.0001	1 (Reference)	0.0005	1 (Reference)	0.0005
	1	142,984	2,557	2.83645	1.196 (1.146–1.247)		1.18 (1.13–1.231)		1.181 (1.131–1.233)	
	2	88,801	1,642	2.93789	1.239 (1.177–1.304)		1.184 (1.124–1.247)		1.185 (1.125–1.249)	
	3	85,634	1,675	3.11576	1.315 (1.249–1.383)		1.21 (1.149–1.274)		1.212 (1.15–1.277)	
	4	164,393	3,534	3.43876	1.452 (1.399–1.507)		1.286 (1.237–1.337)		1.289 (1.238–1.342)	
Yes	0	135,524	3,258	3.81901	1 (Reference)		1 (Reference)		1 (Reference)	
	1	35,285	949	4.28451	1.123 (1.044–1.207)		1.132 (1.053–1.217)		1.133 (1.054–1.218)	
	2	25,653	653	4.05635	1.063 (0.977–1.156)		1.072 (0.985–1.166)		1.073 (0.986–1.167)	
	3	26,754	743	4.44107	1.165 (1.076–1.261)		1.172 (1.081–1.269)		1.173 (1.083–1.271)	
	4	58,442	1,509	4.13203	1.084 (1.02–1.152)		1.099 (1.033–1.17)		1.102 (1.034–1.173)	
BMI, kg/m <sup>2</sup>										
<25	0	730,861	11,035	2.38203	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	109,835	1,968	2.8419	1.195 (1.139–1.253)		1.162 (1.108–1.22)		1.164 (1.109–1.222)	
	2	64,749	1,264	3.1044	1.306 (1.232–1.384)		1.215 (1.145–1.288)		1.216 (1.147–1.29)	
	3	59,111	1,303	3.51901	1.481 (1.398–1.568)		1.317 (1.242–1.395)		1.319 (1.244–1.398)	
	4	109,466	2,534	3.71042	1.563 (1.497–1.632)		1.335 (1.277–1.395)		1.338 (1.278–1.401)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
$\geq 25$	0	281,320	5,420	3.0511	1 (Reference)		1 (Reference)		1 (Reference)	
	1	68,434	1,538	3.57275	1.172 (1.107–1.24)		1.164 (1.099–1.232)		1.165 (1.1–1.233)	
	2	49,705	1,031	3.29685	1.082 (1.012–1.156)		1.069 (1–1.143)		1.071 (1.001–1.145)	
	3	53,277	1,115	3.33217	1.094 (1.025–1.166)		1.072 (1.004–1.144)		1.074 (1.006–1.146)	
	4	113,369	2,509	3.53405	1.161 (1.107–1.217)		1.115 (1.062–1.17)		1.117 (1.063–1.174)	
FLI										
<30	0	734,880	10,300	2.20933	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	90,600	1,405	2.45464	1.112 (1.052–1.176)		1.153 (1.09–1.22)		1.158 (1.095–1.225)	
	2	45,278	728	2.54883	1.156 (1.072–1.246)		1.177 (1.091–1.27)		1.185 (1.098–1.278)	
	3	34,229	645	3.00065	1.362 (1.258–1.475)		1.359 (1.254–1.472)		1.369 (1.263–1.484)	
	4	39,875	680	2.71334	1.231 (1.139–1.331)		1.287 (1.189–1.392)		1.301 (1.202–1.409)	
<60	0	226,554	4,909	3.43655	1 (Reference)		1 (Reference)		1 (Reference)	
	1	60,616	1,376	3.60973	1.051 (0.99–1.116)		1.072 (1.01–1.138)		1.076 (1.013–1.143)	
	2	43,076	960	3.5476	1.033 (0.964–1.107)		1.067 (0.996–1.144)		1.072 (1–1.15)	
	3	42,685	918	3.42558	0.998 (0.93–1.071)		1.027 (0.956–1.102)		1.033 (0.962–1.109)	
	4	72,746	1,639	3.60206	1.05 (0.993–1.11)		1.09 (1.029–1.154)		1.099 (1.038–1.165)	
$\geq 60$	0	50,747	1,246	3.91198	1 (Reference)		1 (Reference)		1 (Reference)	
	1	27,053	725	4.27983	1.096 (1–1.201)		1.116 (1.018–1.223)		1.122 (1.023–1.23)	
	2	26,100	607	3.7089	0.948 (0.861–1.045)		0.98 (0.889–1.08)		0.986 (0.894–1.087)	
	3	35,474	855	3.85216	0.985 (0.903–1.075)		1.025 (0.939–1.118)		1.032 (0.945–1.126)	
	4	110,214	2,724	3.96356	1.015 (0.949–1.085)		1.036 (0.967–1.109)		1.046 (0.977–1.12)	
Death										
Age, yr										
<65	0	960,297	9,482	1.5472	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	169,838	2,090	1.9351	1.252 (1.194–1.312)		1.328 (1.266–1.393)		1.304 (1.243–1.369)	
	2	109,437	1,590	2.2884	1.481 (1.404–1.562)		1.546 (1.465–1.631)		1.511 (1.431–1.595)	
	3	107,828	1,889	2.7648	1.79 (1.704–1.88)		1.819 (1.729–1.913)		1.768 (1.68–1.861)	
	4	215,216	4,838	3.5598	2.306 (2.227–2.387)		2.285 (2.203–2.37)		2.192 (2.108–2.278)	
$\geq 65$	0	51,884	3,727	11.5092	1 (Reference)		1 (Reference)		1 (Reference)	
	1	8,431	685	13.1062	1.139 (1.05–1.236)		1.377 (1.269–1.494)		1.355 (1.248–1.47)	
	2	5,017	428	13.7799	1.199 (1.085–1.325)		1.491 (1.349–1.649)		1.461 (1.321–1.615)	
	3	4,560	416	14.7983	1.287 (1.163–1.425)		1.595 (1.441–1.766)		1.558 (1.407–1.726)	
	4	7,619	771	16.4574	1.433 (1.326–1.548)		1.85 (1.71–2.001)		1.783 (1.647–1.93)	
Sex										
Male	0	747,583	11,708	2.45878	1 (Reference)	0.0171	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	116,915	2,371	3.19864	1.302 (1.246–1.361)		1.398 (1.337–1.461)		1.373 (1.313–1.436)	
	2	79,656	1,702	3.37489	1.375 (1.306–1.446)		1.555 (1.477–1.637)		1.521 (1.443–1.602)	
	3	82,252	2,016	3.88004	1.581 (1.508–1.658)		1.826 (1.74–1.917)		1.778 (1.692–1.867)	
	4	168,824	5,010	4.71525	1.923 (1.86–1.988)		2.3 (2.22–2.384)		2.208 (2.127–2.293)	
Female	0	264,598	1,501	0.88789	1 (Reference)		1 (Reference)		1 (Reference)	
	1	61,354	404	1.03307	1.164 (1.043–1.299)		0.999 (0.895–1.115)		0.985 (0.882–1.1)	
	2	34,798	316	1.4263	1.607 (1.424–1.814)		1.332 (1.18–1.504)		1.305 (1.156–1.474)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
	3	30,136	289	1.50707	1.698 (1.497–1.926)		1.386 (1.222–1.572)		1.351 (1.191–1.533)	
	4	54,011	599	1.74421	1.966 (1.788–2.161)		1.574 (1.431–1.731)		1.516 (1.377–1.668)	
Smoking										
No	0	749,969	8,507	1.77734	1 (Reference)	0.0019	1 (Reference)	0.0011	1 (Reference)	0.0017
	1	129,529	1,674	2.03145	1.144 (1.085–1.205)		1.305 (1.237–1.375)		1.283 (1.216–1.353)	
	2	79,173	1,199	2.38396	1.343 (1.264–1.427)		1.565 (1.473–1.664)		1.532 (1.44–1.629)	
	3	73,436	1,277	2.74185	1.545 (1.457–1.639)		1.799 (1.695–1.909)		1.752 (1.65–1.861)	
	4	133,872	2,605	3.07426	1.733 (1.659–1.811)		2.082 (1.989–2.179)		2.003 (1.912–2.1)	
Yes	0	262,212	4,702	2.82254	1 (Reference)		1 (Reference)		1 (Reference)	
	1	48,740	1,101	3.57148	1.267 (1.186–1.352)		1.388 (1.299–1.482)		1.363 (1.276–1.456)	
	2	35,281	819	3.67395	1.303 (1.21–1.404)		1.481 (1.374–1.596)		1.447 (1.342–1.56)	
	3	38,952	1,028	4.18564	1.485 (1.389–1.589)		1.732 (1.618–1.854)		1.684 (1.572–1.804)	
	4	88,963	3,004	5.378	1.912 (1.826–2.001)		2.324 (2.217–2.436)		2.225 (2.119–2.337)	
Drinking										
No	0	470,468	6,730	2.2463	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	0.0001
	1	74,544	1,178	2.48845	1.108 (1.042–1.179)		1.375 (1.292–1.464)		1.349 (1.267–1.437)	
	2	41,425	782	2.97668	1.326 (1.232–1.428)		1.694 (1.572–1.825)		1.652 (1.533–1.781)	
	3	35,014	755	3.40549	1.518 (1.408–1.636)		1.986 (1.84–2.143)		1.93 (1.787–2.083)	
	4	56,365	1,307	3.66693	1.635 (1.541–1.734)		2.26 (2.126–2.402)		2.17 (2.04–2.31)	
Yes	0	541,713	6,479	1.8746	1 (Reference)		1 (Reference)		1 (Reference)	
	1	103,725	1,597	2.42362	1.294 (1.225–1.367)		1.301 (1.232–1.375)		1.281 (1.212–1.353)	
	2	73,029	1,236	2.66864	1.426 (1.342–1.515)		1.426 (1.341–1.516)		1.396 (1.313–1.485)	
	3	77,374	1,550	3.16556	1.692 (1.601–1.788)		1.653 (1.564–1.748)		1.611 (1.523–1.705)	
	4	166,470	4,302	4.09908	2.193 (2.11–2.279)		2.147 (2.063–2.234)		2.062 (1.978–2.149)	
Regular exercise										
No	0	754,438	9,719	2.02261	1 (Reference)	0.2635	1 (Reference)	0.4786	1 (Reference)	0.4948
	1	134,361	2,059	2.41471	1.195 (1.139–1.253)		1.328 (1.266–1.393)		1.304 (1.243–1.369)	
	2	86,210	1,509	2.76246	1.368 (1.295–1.444)		1.524 (1.442–1.61)		1.489 (1.409–1.573)	
	3	84,773	1,726	3.21949	1.594 (1.515–1.678)		1.763 (1.674–1.858)		1.715 (1.627–1.808)	
	4	172,006	4,360	4.0212	1.993 (1.923–2.065)		2.228 (2.145–2.313)		2.137 (2.053–2.223)	
Yes	0	257,743	3,490	2.11894	1 (Reference)		1 (Reference)		1 (Reference)	
	1	43,908	716	2.56055	1.209 (1.116–1.311)		1.36 (1.255–1.474)		1.338 (1.234–1.451)	
	2	28,244	509	2.83387	1.339 (1.22–1.469)		1.541 (1.404–1.692)		1.51 (1.375–1.658)	
	3	27,615	579	3.30413	1.562 (1.43–1.705)		1.769 (1.619–1.932)		1.724 (1.578–1.884)	
	4	50,829	1,249	3.88277	1.837 (1.722–1.959)		2.099 (1.965–2.241)		2.018 (1.887–2.157)	
HTN										
No	0	818,279	8,601	1.64664	1 (Reference)	<0.0001	1 (Reference)	0.0128	1 (Reference)	0.0208
	1	131,238	1,626	1.94765	1.184 (1.123–1.248)		1.372 (1.301–1.447)		1.347 (1.277–1.421)	
	2	80,332	1,133	2.21949	1.35 (1.268–1.436)		1.576 (1.48–1.677)		1.538 (1.445–1.638)	
	3	75,750	1,249	2.59931	1.581 (1.49–1.678)		1.84 (1.733–1.954)		1.788 (1.683–1.9)	
	4	142,850	2,924	3.23559	1.969 (1.888–2.054)		2.285 (2.188–2.387)		2.19 (2.094–2.292)	

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Supplemental Table S2. Continued

Subgroup	Cumulative no. of $\gamma$ -GTP	Number	Event	IR <sup>a</sup>	Model 1	<i>P</i> for interaction	Model 4	<i>P</i> for interaction	Model 5	<i>P</i> for interaction
Yes	0	193,902	4,608	3.74976	1 (Reference)		1 (Reference)		1 (Reference)	
	1	47,031	1,149	3.86262	1.031 (0.966–1.099)		1.275 (1.195–1.361)		1.256 (1.177–1.341)	
	2	34,122	885	4.10885	1.097 (1.021–1.179)		1.454 (1.352–1.563)		1.426 (1.326–1.533)	
	3	36,638	1,056	4.57473	1.222 (1.143–1.306)		1.66 (1.551–1.776)		1.62 (1.513–1.734)	
	4	79,985	2,685	5.34613	1.43 (1.363–1.499)		2.077 (1.977–2.182)		2 (1.901–2.103)	
<b>DLP</b>										
No	0	876,657	11,094	1.98458	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	142,984	2,220	2.44433	1.233 (1.178–1.29)		1.376 (1.314–1.441)		1.352 (1.291–1.416)	
	2	88,801	1,577	2.80018	1.413 (1.34–1.489)		1.578 (1.496–1.664)		1.542 (1.462–1.628)	
	3	85,634	1,772	3.26954	1.65 (1.57–1.735)		1.802 (1.712–1.896)		1.754 (1.665–1.847)	
	4	164,393	4,369	4.2147	2.129 (2.056–2.205)		2.309 (2.225–2.396)		2.215 (2.131–2.304)	
Yes	0	135,524	2,115	2.45319	1 (Reference)		1 (Reference)		1 (Reference)	
	1	35,285	555	2.47664	1.01 (0.92–1.109)		1.157 (1.053–1.27)		1.14 (1.038–1.252)	
	2	25,653	441	2.7107	1.106 (0.998–1.225)		1.318 (1.189–1.461)		1.293 (1.166–1.433)	
	3	26,754	533	3.14691	1.284 (1.168–1.412)		1.583 (1.439–1.742)		1.545 (1.404–1.7)	
	4	58,442	1,240	3.35751	1.371 (1.278–1.471)		1.795 (1.671–1.927)		1.731 (1.611–1.86)	
<b>BMI, kg/m<sup>2</sup></b>										
<25	0	730,861	9,637	2.06751	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	109,835	1,841	2.63897	1.278 (1.215–1.343)		1.391 (1.323–1.463)		1.368 (1.3–1.438)	
	2	64,749	1,292	3.1476	1.524 (1.438–1.616)		1.623 (1.531–1.721)		1.588 (1.497–1.685)	
	3	59,111	1,409	3.77	1.827 (1.727–1.932)		1.854 (1.752–1.962)		1.806 (1.706–1.913)	
	4	109,466	3,445	4.99767	2.424 (2.331–2.52)		2.413 (2.317–2.513)		2.316 (2.219–2.417)	
≥25	0	281,320	3,572	1.99434	1 (Reference)		1 (Reference)		1 (Reference)	
	1	68,434	934	2.14862	1.078 (1.003–1.159)		1.197 (1.113–1.287)		1.179 (1.097–1.268)	
	2	49,705	726	2.30188	1.155 (1.067–1.251)		1.325 (1.223–1.435)		1.299 (1.199–1.408)	
	3	53,277	896	2.65399	1.332 (1.238–1.434)		1.562 (1.451–1.681)		1.525 (1.416–1.642)	
	4	113,369	2,164	3.01977	1.517 (1.438–1.6)		1.823 (1.726–1.925)		1.761 (1.665–1.862)	
<b>FLI</b>										
<30	0	734,880	9,180	1.95799	1 (Reference)	<0.0001	1 (Reference)	<0.0001	1 (Reference)	<0.0001
	1	90,600	1,342	2.32972	1.191 (1.125–1.261)		1.418 (1.338–1.503)		1.403 (1.324–1.486)	
	2	45,278	802	2.79003	1.427 (1.327–1.533)		1.711 (1.591–1.84)		1.686 (1.567–1.814)	
	3	34,229	753	3.47625	1.778 (1.651–1.915)		2.061 (1.912–2.222)		2.026 (1.879–2.185)	
	4	39,875	882	3.49529	1.788 (1.669–1.916)		2.26 (2.106–2.426)		2.201 (2.049–2.364)	
<60	0	226,554	3,267	2.26598	1 (Reference)		1 (Reference)		1 (Reference)	
	1	60,616	979	2.54354	1.123 (1.046–1.206)		1.17 (1.09–1.257)		1.159 (1.079–1.245)	
	2	43,076	808	2.95865	1.307 (1.21–1.411)		1.394 (1.291–1.507)		1.378 (1.276–1.489)	
	3	42,685	857	3.16885	1.4 (1.298–1.509)		1.484 (1.375–1.601)		1.463 (1.356–1.579)	
	4	72,746	1,883	4.10083	1.812 (1.712–1.918)		1.913 (1.804–2.028)		1.873 (1.766–1.986)	
≥60	0	50,747	762	2.3665	1 (Reference)		1 (Reference)		1 (Reference)	
	1	27,053	454	2.64896	1.12 (0.997–1.258)		1.133 (1.009–1.273)		1.119 (0.996–1.257)	
	2	26,100	408	2.46799	1.043 (0.925–1.177)		1.073 (0.952–1.211)		1.058 (0.938–1.194)	
	3	35,474	695	3.0987	1.31 (1.182–1.452)		1.361 (1.228–1.51)		1.339 (1.207–1.484)	
	4	110,214	2,844	4.09552	1.733 (1.6–1.877)		1.72 (1.586–1.865)		1.678 (1.546–1.821)	

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**Supplemental Table S2.** Continued

Values are expressed as hazard ratio (95% confidence interval). Model 1: non-adjusted; Model 4: adjusted for age, sex, status of smoking, drinking, physical activity, hypertension, dyslipidemia, and body mass index; Model 5: adjusted for 4+alanine transaminase.

$\gamma$ -GTP,  $\gamma$ -glutamyl transferase; IR, incidence rate; MI, myocardial infarction; HTN, hypertension; DLP, dyslipidemia; BMI, body mass index; FLI, fatty liver index; CVD, cardiovascular disease.

\*Per 1,000 person-years.