

Multimedia Appendix 3: Table 3. Phenotype frequency among adult TCGS participants

Descriptive	19-30 yrs.					31-50 yrs.				
	Baseline 2366	2002-2005 2417	2006-2008 2580	2009-2011 2775	2012-2014 2268	Baseline 3812	2002-2005 3803	2006-2008 4048	2009-2011 4327	2012-2014 4332
Number										
Hypertension status										
Normal	1514 (64)	1762 (72.9)	2008 (77.8)	1929 (69.5)	1546 (68.2)	1882 (49.4)	2239 (58.9)	2539 (62.7)	2310 (53.4)	2249 (51.9)
hypertension	83 (3.5)	69 (2.9)	54 (2.1)	113 (4.1)	93 (4.1)	513 (13.5)	349 (9.2)	304 (7.5)	593 (13.7)	505 (11.7)
Pre-hypertension	708 (29.9)	511 (21.1)	490 (19)	688 (24.8)	597 (26.3)	1339 (35.1)	1100 (28.9)	1161 (28.7)	1373 (31.7)	1541 (35.6)
Dyslipidemia status										
Normal	816 (34.5)	597 (24.7)	808 (31.3)	928 (33.4)	698 (30.8)	519 (13.6)	446 (11.7)	589 (14.6)	732 (16.9)	780 (18)
Dyslipidemia	310 (13.1)	217 (9)	211 (8.2)	175 (6.3)	172 (7.6)	1119 (29.4)	843 (22.2)	809 (20)	760 (17.6)	744 (17.2)
Pre-dyslipidemia	1149 (48.6)	999 (41.3)	1093 (42.4)	1159 (41.8)	1021 (45)	2069 (54.3)	2070 (54.4)	2246 (55.5)	2286 (52.8)	2249 (51.9)
Diabetes status										
Normal	2093 (88.5)	2168 (89.7)	2434 (94.3)	2477 (89.3)	1974 (87)	2655 (69.6)	2688 (70.7)	3157 (78)	3045 (70.4)	3033 (70)
Diabetic	14 (0.6)	17 (0.7)	16 (0.6)	32 (1.2)	32 (1.4)	277 (7.3)	281 (7.4)	279 (6.9)	289 (6.7)	310 (7.2)
Pre-diabetic	145 (6.1)	122 (5)	88 (3.4)	213 (7.7)	224 (9.9)	738 (19.4)	681 (17.9)	560 (13.8)	944 (21.8)	955 (22)
Obesity status										
Underweight	437 (18.5)	345 (14.3)	397 (15.4)	341 (12.3)	255 (11.2)	137 (3.6)	91 (2.4)	87 (2.1)	78 (1.8)	83 (1.9)
Normal	997 (42.1)	947 (39.2)	1121 (43.4)	1142 (41.2)	903 (39.8)	990 (26)	841 (22.1)	920 (22.7)	945 (21.8)	987 (22.8)
Obese	626 (26.5)	636 (26.3)	702 (27.2)	827 (29.8)	709 (31.3)	1654 (43.4)	1569 (41.3)	1853 (45.8)	1972 (45.6)	1882 (43.4)
Morbid obese	233 (9.8)	259 (10.7)	286 (11.1)	383 (13.8)	317 (14)	950 (24.9)	1036 (27.2)	1134 (28)	1251 (28.9)	1258 (29)
Metabolic syndrome status (Mets)										
Normal	1984 (83.9)	1971 (81.5)	2280 (88.4)	2472 (89.1)	2005 (88.4)	2475 (64.9)	2369 (62.3)	2862 (70.7)	3168 (73.2)	3246 (74.9)
Mets with 3 risk factor	173 (7.3)	136 (5.6)	142 (5.5)	155 (5.6)	124 (5.5)	738 (19.4)	772 (20.3)	763 (18.8)	715 (16.5)	644 (14.9)
Mets with 4 risk factor	26 (1.1)	34 (1.4)	18 (0.7)	44 (1.6)	34 (1.5)	329 (8.6)	284 (7.5)	239 (5.9)	299 (6.9)	249 (5.7)
Mets with 5 risk factor	5 (0.2)	4 (0.2)	1 (0)	#VALUE!	4 (0.2)	62 (1.6)	62 (1.6)	45 (1.1)	52 (1.2)	64 (1.5)
Number	2245	2443	2684	2981	3102	266	423	587	890	1044
Hypertension status										
Normal	509 (22.7)	652 (26.7)	795 (29.6)	753 (25.3)	757 (24.4)	39 (14.7)	69 (16.3)	101 (17.2)	134 (15.1)	122 (11.7)
hypertension	845 (37.6)	757 (31)	758 (28.2)	1029 (34.5)	997 (32.1)	137 (51.5)	200 (47.3)	257 (43.8)	433 (48.7)	528 (50.6)
Pre-hypertension	848 (37.8)	990 (40.5)	1073 (40)	1174 (39.4)	1320 (42.6)	87 (32.7)	145 (34.3)	216 (36.8)	313 (35.2)	386 (37)
Dyslipidemia status										
Normal	128 (5.7)	144 (5.9)	172 (6.4)	227 (7.6)	231 (7.4)	16 (6)	25 (5.9)	49 (8.3)	49 (5.5)	74 (7.1)
Dyslipidemia	1127 (50.2)	1079 (44.2)	1149 (42.8)	1291 (43.3)	1443 (46.5)	123 (46.2)	157 (37.1)	232 (39.5)	421 (47.3)	517 (49.5)
Pre-dyslipidemia	954 (42.5)	1092 (44.7)	1259 (46.9)	1298 (43.5)	1266 (40.8)	118 (44.4)	219 (51.8)	274 (46.7)	372 (41.8)	402 (38.5)
Diabetes status										
Normal	1045 (46.5)	1159 (47.4)	1384 (51.6)	1270 (42.6)	1276 (41.1)	119 (44.7)	172 (40.7)	264 (45)	310 (34.8)	356 (34.1)
Diabetic	526 (23.4)	568 (23.3)	605 (22.5)	773 (25.9)	792 (25.5)	66 (24.8)	107 (25.3)	145 (24.7)	268 (30.1)	342 (32.8)
Pre-diabetic	617 (27.5)	663 (27.1)	660 (24.6)	919 (30.8)	1013 (32.7)	71 (26.7)	138 (32.6)	171 (29.1)	300 (33.7)	342 (32.8)
Obesity status										
Underweight	55 (2.4)	47 (1.9)	37 (1.4)	48 (1.6)	46 (1.5)	9 (3.4)	16 (3.8)	28 (4.8)	26 (2.9)	32 (3.1)
Normal	519 (23.1)	449 (18.4)	476 (17.7)	454 (15.2)	496 (16)	85 (32)	135 (31.9)	156 (26.6)	203 (22.8)	251 (24)
Obese	971 (43.3)	1042 (42.7)	1182 (44)	1238 (41.5)	1266 (40.8)	121 (45.5)	180 (42.6)	260 (44.3)	339 (38.1)	362 (34.7)
Morbid obese	667 (29.7)	798 (32.7)	949 (35.4)	1166 (39.1)	1224 (39.5)	40 (15)	73 (17.3)	126 (21.5)	190 (21.3)	232 (22.2)
Metabolic syndrome status (Mets)										
Normal	1023 (45.6)	1016 (41.6)	1281 (47.7)	1535 (51.5)	1714 (55.3)	135 (50.8)	196 (46.3)	300 (51.1)	433 (48.7)	535 (51.2)
Mets with 3 risk factor	530 (23.6)	656 (26.9)	685 (25.5)	687 (23)	717 (23.1)	49 (18.4)	99 (23.4)	128 (21.8)	182 (20.4)	195 (18.7)
Mets with 4 risk factor	440 (19.6)	471 (19.3)	454 (16.9)	514 (17.2)	460 (14.8)	56 (21.1)	73 (17.3)	92 (15.7)	101 (11.3)	107 (10.2)
Mets with 5 risk factor	161 (7.2)	170 (7)	175 (6.5)	160 (5.4)	128 (4.1)	12 (4.5)	33 (7.8)	36 (6.1)	38 (4.3)	39 (3.7)

