

AS 189

Part I: Cross-Sectional Study

Exclusion Criteria

Important Definition:
Baseline is defined as AV3.

Exclusion criteria 1: absence of available blood sample at AV3

- Data: req1684
- Exclude if:
 1. Not (osflag = 1 and vistype=3 and visyear=3)
 2. Serum < 0.5ml
 3. EDTA < 0.2ml

Exclusion criteria 2: failure to sign informed consent

Exclusion criteria 3a: history of CHD or CVD at AV0

- Data: anaaug99 – where osflag = 1 and ethnicity in (black, white).
- Exclude if:
 1. Baseline CHD (MI, angina, revascularization) = 1
 2. Baseline CVD (MI, angina, revascularization, stroke) = 1
 3. All CHD&CVD indicator variables are missing (MI=, and angina=, and revascularization=, and stroke=.)

Exclusion criteria 3b: CHD or CVD between AV0 and AV3

- Data: dsmb26.oscladj
- Exclude if:
 1. CHD (MICO, angina, revascularization) = 1 between AV0 and AV3
 2. CVD (MICO, angina, revascularization, stroke) = 1 between AV0 and AV3
 3. All CHD&CVD indicator variables are missing (MICO=, and angina=, and revascularization=, and stroke=.) between AV0 and AV3

Exclusion criteria 4: new post AV3 incident CHF, stroke and PVD except for those which co-occur in incident CHD cases

- Data: dsmb25.oscladj
- Exclude if:
 1. Incidence CHF_stroke_PVD = 1 and incidence CHD (mico, angina, revasc)=0
 2. Incidence CHF_stroke_PVD = 1 and incidence CHD (mico, angina, revasc) = 1 and CHF_stroke_PVD_date < CHD_date

NOTE: We also excluded the participants with missing AV3 BMI/WAIST.

Sample Selection Results

1. BMI<40

of eligible pts in each strata (AV3 blood sample)

BMI < 40

		Waist tertile		
		WC < 78	78 <= WC < 90	WC >= 90
		N	N	N
bmicat	Ethnicity			
Normal (18.5 - 24.9)	White	15439	6318	354
	Black	507	260	20
Overweight (25.0 - 29.9)	White	2459	11266	5007
	Black	196	901	314
Obesity I (30.0 - 34.9)	White	56	1530	6532
	Black	12	281	809
Obesity II (35.0 - 39.9)	White	6	68	2691
	Black	1	21	479

of pts for each strata in the final selected sample

BMI < 40

		Waist tertile		
		WC < 78	78 <= WC < 90	WC >= 90
		NSIZE	_NSIZE_	_NSIZE_
bmicat	Ethnicity			
Normal (18.5 - 24.9)	White	25	25	25
	Black	25	30	20
Overweight (25.0 - 29.9)	White	25	25	25
	Black	25	25	25
Obesity I (30.0 - 34.9)	White	25	25	25
	Black	12	38	25
Obesity II (35.0 - 39.9)	White	6	44	25
	Black	1	21	53

A total of 600 pts with BMI < 40 were selected for the cross-sectional study.

2. BMI >= 40

of eligible ppts in each strata

BMI >= 40

		Age group at screening, years		
		50-59	60-69	70-79
		N	N	N
Ethnicity	Waist tertile			
White	WC < 111.6	205	226	71
	111.6 <= WC < 121	216	206	46
	WC >= 121	211	216	40
Black	WC < 111.6	76	57	8
	111.6 <= WC < 121	67	49	9
	WC >= 121	62	42	1

of ppts for each strata in the final selected sample

BMI >= 40

		Age group at screening, years		
		50-59	60-69	70-79
		NSIZE	_NSIZE_	_NSIZE_
Ethnicity	wcctl			
White	WC < 111.6	34	34	34
	111.6 <= WC < 121	34	34	34
	WC >= 121	34	34	34
Black	WC < 111.6	37	57	8
	111.6 <= WC < 121	44	49	9
	WC >= 121	59	42	1

A total of 612 ppts with BMI > 40 were selected for the cross-sectional study.

Part II: Case-cohort Study

The study subcohort consists of the 612 women with BMI ≥ 40 already sampled for the above cross-sectional study. Among the 612 women, 27 are post AV3 CHD cases.

Another 104 CHD cases were added to this case-cohort study. The 104 cases include:

1. 41 CHD cases who were eligible for the above cross-sectional study selection but did not fall into the initial stratified random sample of $n=612$.
2. 63 CHD cases who 1) occurred before AV3 or do not have available AV3 blood/BMI/waist for the case-cohort study; 2) have available baseline blood/BMI/waist; 3) do not have history of CHD or CVD at baseline; 4) do not have post baseline incident CHF, stroke and PVD except for those which co-occur in incident CHD cases.

The total number of CHD cases among blacks and whites with BMI ≥ 40 is 131 (108 whites, 23 blacks).