VITAL Study Data Dictionary

Placebo
tudy, years
hite,2-Black,3- can or
on, kg/m2
cation 1-yes,0-
ring
-no
nfarction 1-
oer week
ictors 0-
isk factor
nin D 1->=20,
nin D median 1-
-no
s,0-no
•
es,0-no

Cardiovascular disease (CVD)		
Major cardiovascular events	majorcvd	Major cardiovascular events 1-yes,0-no
Major CVD person-years	majryears	Major cardiovascular events person-years
Expanded CVD events	imporcvd	Expanded cardiovascular events 1-yes,0-no
Expanded CVD person-years	impryears	Expanded cardiovascular events person-years
Myocardial infarction (MI)	totmi	Total myocardial infarction 1-yes,0-no
MI person-years	miyears	Myocardial infarction events person-years
Stroke	totst	Total stroke 1-yes,0-no
Stroke person-years	styears	Stroke person-years
Other Cardiovascular End Points		
Total coronary heart disease (CHD)	totchd	Total coronary heart disease 1-yes,0-no
CHD person-years	chdyears	Coronary heart disease person-years
Ischemic stroke	ischemic	Ischemic stroke 1-yes,0-no
Ischemic stroke person-years	styears	Same as stroke person-years
Hemorrhagic stroke	hemorrhg	Hemorrhagic stroke 1-yes,0-no
Hemorrhagic stroke person-years	styears	Same as stroke person-years
Percutaneous coronary	ptca	Percutaneous coronary intervention (PCI) 1-
intervention (PCI)		yes,0-no
PCI person-years	ptcayears	PCI person-years
Coronary artery bypass graft	cabg	Coronary artery bypass graft (CABG) 1-yes,0-no
(CABG)		
CABG person-years	cabgyears	CABG person-years
Deaths		Configurated double 1 was 0 and
Death from any cause	confdeath	Confirmed death 1-yes,0-no
Death from Cancer	cadeath	Death from cancer 1-yes,0-no
Death from cardiovascular causes	cvdeath	Death from cardiovascular causes 1-yes,0-no
Death from coronary heart disease	chdeath	Death from coronary heart disease 1-yes,0-no
Death from myocardial infarction	mideath	Death from myocardial infarction 1-yes,0-no
Death from stroke	stdeath	Death from stroke 1-yes,0-no
Death person-years	randyrs	Death person-years
Adverse events		
Gastrointestinal bleeding	reptgbld	Reported gastrointestinal bleeding 1-yes,0-no
Gusti officestifial biceuilig	repigniu	reported gastrollitestillal bleeding 1-yes,0-110
Gastrointestinal bleeding person-	gbldyears	Gastrointestinal bleeding person-years
years		
Bad taste in month	repttaste	Reported bad taste in mouth 1-yes,0-no
Bad taste in mouth person-years	tasteyears	Bad taste in mouth person-years
Blood in urine	repturine	Reported blood in urine 1-yes,0-no
Blood in urine person-years	urineyears	Blood in urine person-years
Constipation	reptconst	Reported constipation 1-yes,0-no
Constipation person-years	constyears	Constipation person-years
Diarrhea	reptdiarr	Reported diarrhea 1-yes,0-no
Diarrhea person-years	diarryears	Diarrhea person-years
Easy bruising	reptbruis	Reported easy bruising 1-yes,0-no

Easy bruising person-years	bruisyears	Easy bruising person-years
Frequent nosebleeds	reptnbld	Reported frequent nosebleeds 1-yes,0-no
Frequent nosebleeds person-years	nbldyears	Frequent nosebleeds person-years
Hypercalcemia	repthycal	Reported Hypercalcemia 1-yes,0-no
Hypercalcemia person- years	hycalyears	Hypercalcemia person- years
Parathyroid condition	reptpara	Reported parathyroid condition 1-yes,0-no
Parathyroid person- years	parayears	Parathyroid person- years
Stomach upset or pain	reptspain	Reported stomach upset or pain 1-yes,0-no
Stomach upset or pain person-	spainyears	Stomach upset or pain person-years
years		
Skin rash	reptrash	Reported skin rash 1-yes,0-no
Skin rash person-years	rashyears	Skin rash person-years
Kidney stones	reptkidst	Reported kidney stones 1-yes,0-no
Kidney stones person-years	kidstyears	Kidney stones person-years
Kidney failure or dialysis	reptkidf	Reported kidney failure 1-yes,0-no
Kidney failure person-years	kidfyears	Kidney failure person-years
Increased burping	reptburp	Reported increased burping 1-yes,0-no
Increased burping person-years	burpyears	Increased burping person-years
Nausea	reptnaus	Reported nausea 1-yes,0-no
Nausea person-years	nausyears	Nausea person-years

VITAL-STATIN Study Data Dictionary

Variable	SAS Variable	SAS Variable Label
	Name	
Subject ID	Subject_ID	Assigned Study ID
Statin-associated muscle symptoms	statinconf	VITAL-STATINS ancillary population: Confirmed
(SAMS). Defined as non-missing/		statins use 1-Yes
negative (NO))/unknown (Unsure)		
answers on Question 1 in the statin		
questionnaire		
Musculoskeletal aches while on	muscaches	SAMS 1-Yes, 0-No,Missing
statins lasting more than few days		
and answered question about		
stopped statins: Questions ##2,		
and 3 in the statin questionnaire		
Stopped use statins because of	stopstatin	Stopped statin 1-Yes, 0-No, Missing answer
discomfort: Question #3		

VITAL-TKR Study Data Dictionary

Variable	SAS variable name	SAS variable label
Subject ID	Subject_ID	Assigned Study ID
Randomization to active Vitamin D	vitdactive	Vitamin D 1-Active,0-Placebo
Randomization to active n-3 fatty acids	fishoilactive	Omega-3 Fatty Acids 1-Active,0-Placebo
Demographic Variables		
Female sex	sex	Sex 1-male,2-female
Age (integer years, truncated at 90+)	ageyr	Age at randomization to VITAL study, years
Race or ethnic group	raceth	Race/ethnic group 1-NonHisp White,2-Black,3- Hispanic,4-Asian,5-Native American or Alaskan,6=Others/unknown
Baseline Variables		
Body-mass index (kg/m²)	bmi	Body mass index at randomization, kg/m2
Knee pain frequency	KneePainFreq	Frequency of knee pain 1=Never 2=<1 day/wk 3=1~2 days/wk 4=3~6 days/wk 5=daily
Prior total knee replacement	KneesReplacedV2	Have you had a knee replacement surgery? (1=Yes, 2=No)
Bilateral knee pain	bikneepain	Bilateral knee pain 1=Yes 0=No
Unilateral knee pain	unikneepain	Unilateral knee pain 1=Yes 0=No
Acetaminophen use	tylenolbase	Tylenol use at baseline 1=never 2=occational 3=daily 9=missing
Non steroidal anti- inflammatory use	nsaidsbase	Nsaids use at baseline 1=never 2=occational 3=daily 9=missing
Analgesics including opioids	strongerbase	Stronger med use at baseline 1=never 2=occational 3=daily 9=missing
WOMAC Pain	pain_base	WOMAC Pain score at baseline
WOMAC function	function_base	WOMAC function score at baseline
WOMAC Stiffness	stiffness_base	WOMAC stiffness score at baseline
Outcomes		
WOMAC Pain*	pain_yrX	WOMAC Pain score at follow up
WOMAC Function*	function_yrX	WOMAC function score at follow up
WOMAC Stiffness*	stiffness_yrX	WOMAC stiffness score at follow up
Incident Total Knee Replacement	tkrf	Incident total knee replacement 1=Yes 0=No
Death from any cause	confdeath	Confirmed death 1-yes,0-no
*WOMAC scores at each	available follow up time	e point