

SWAN Repository Dataset Documentation

Study: App 015, “Adipocytokines”, MFSowers/Wildman

Dataset: SWANRep015_Adipokines_Long

Cohort: SWAN, all sites

Dataset “SWANRep015_Adipokines_Long” contains longitudinal adipokine data for 544 SWAN participants. By design, at least three serum specimens, one each from the pre-, peri- and post-menopausal states, were selected for adipokine assay for each eligible woman. The 544 participants came from all SWAN study sites, and they all reached menopause prior to Visit 8.

Adipokines were measured in duplicates at the Michigan site using commercially available colorimetric enzyme immunoassay kits (leptin, adiponectin, HMW adiponectin, and resistin: Millipore, St. Charles, MO; soluble leptin receptor and MCP-1: R& D systems, Minneapolis, MN). After reviewing within-duplicate coefficients of variation, and re-running highly variable samples/unlikely values where appropriate, the Michigan site data management team calculated the mean of each duplicate pair for each adipokine. The means of each duplicate pair are the adipokine values reported in this dataset.

Lower Limit of Detection for each adipokine

Adipokine	Lower Limit of Dection
Adiponectin	0.78 ug/mL
HMW adiponectin	0.5 ug/mL
Leptin	0.5 ng/mL
Resistin	0.16 ng/mL
MCP-1	31.2 ng/mL
Soluble leptin receptor	0.31 ng/mL

Dataset contents

Variables in Creation Order				
#	Variable	Type	Len	Label
1	ARCHID	Char		(Encrypted SWAN Subject ID)
2	Visit	Num	8	SWAN visit year:0,1,3,4,5,6,7
3	adipavg	Num	8	Adiponectin, mean of duplicate pair (ug/mL)
4	hmwaavg	Num	8	HMW adiponectin, mean of duplicate pair (ug/mL)
5	leptinsr_avg	Num	8	Leptin soluble receptor, mean of duplicate pair (ng/mL)
6	Lepsravg_kdal	Num	8	Leptin soluble receptor, mean of duplicate pair (k Daltons)
7	leptinavg	Num	8	Leptin, mean of duplicate pair (ng/mL)

Variables in Creation Order				
#	Variable	Type	Len	Label
8	Lepavg_kdal	Num	8	Leptin, mean of duplicate pair (k Daltons)
9	mcp1_avg	Num	8	MCP-1, mean of duplicate pair (ng/mL)
10	resistin_avg	Num	8	Resistin, mean of duplicate pair (ng/mL)