

***SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)  
Dataset Snapshot (Analysis-Ready Dataset: proj.adsl\_like)***

<u><i>N_Records</i></u>
3008

**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)  
Missingness Summary (Key Variables)**

**The MEANS Procedure**

Variable	Label	N	
		N	Miss
CESD	CES-D depressive symptom score (0–60)	3008	0
logcrp	Log-transformed CRP	2951	57
CRPRESU0	C-reactive protein (mg/L)	2951	57
BMI0	Body Mass Index (kg/m^2)	2981	27
AGE0	Age at baseline (years)	3004	4

**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)  
Categorical Distributions (Overall)**

**The FREQ Procedure**

CRP tertile (log-CRP based)					
crpT	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Missing	57	1.89	57	1.89	
T1_Low	986	32.78	1043	34.67	
T2_Mid	993	33.01	2036	67.69	
T3_High	972	32.31	3008	100.00	

Smoking status (recode)					
smoke	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Current	505	16.79	505	16.79	
Former	737	24.50	1242	41.29	
Missing	24	0.80	1266	42.09	
Never	1742	57.91	3008	100.00	

Menopausal status (recode)					
meno	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
EarlyPeri	1345	44.71	1345	44.71	
Other	48	1.60	1393	46.31	
Premen	1615	53.69	3008	100.00	

Race / Ethnicity					
RACE	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
1	778	25.86	778	25.86	
2	249	8.28	1027	34.14	
3	277	9.21	1304	43.35	
4	1436	47.74	2740	91.09	
5	268	8.91	3008	100.00	

**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)**  
**Table 1: Baseline Characteristics by CRP Tertile (log-CRP based)**  
**Continuous Variables (Mean/SD; Median/IQR)**

**The MEANS Procedure**

CRP tertile (log-CRP based)	N	Obs	Variable	Label	Mean	Std Dev	Median	25th Pctl	75th Pctl	N
Missing	57	AGE0	Age at baseline (years)	45.26	2.64	45.00	43.00	47.00	57	
		BMI0	Body Mass Index (kg/m^2)	24.95	5.74	23.50	20.52	28.73	57	
		CESD	CES-D depressive symptom score (0–60)	37.11	6.37	36.00	33.00	41.00	57	
		CRPRESU0	C-reactive protein (mg/L)	.	.	.	.	.	0	
		logcrp	Log-transformed CRP	.	.	.	.	.	0	
T1_Low	986	AGE0	Age at baseline (years)	45.79	2.61	46.00	44.00	48.00	985	
		BMI0	Body Mass Index (kg/m^2)	23.56	3.93	22.89	20.79	25.47	975	
		CESD	CES-D depressive symptom score (0–60)	36.60	9.49	36.00	33.00	39.00	986	
		CRPRESU0	C-reactive protein (mg/L)	0.39	0.19	0.40	0.20	0.50	986	
		logcrp	Log-transformed CRP	-1.11	0.62	-0.92	-1.61	-0.69	986	
T2_Mid	993	AGE0	Age at baseline (years)	45.84	2.72	46.00	44.00	48.00	993	
		BMI0	Body Mass Index (kg/m^2)	27.04	5.37	26.22	23.18	29.89	988	
		CESD	CES-D depressive symptom score (0–60)	37.73	7.24	36.00	33.00	41.00	993	
		CRPRESU0	C-reactive protein (mg/L)	1.46	0.52	1.30	1.00	1.90	993	
		logcrp	Log-transformed CRP	0.32	0.36	0.26	0.00	0.64	993	
T3_High	972	AGE0	Age at baseline (years)	45.95	2.73	46.00	44.00	48.00	969	
		BMI0	Body Mass Index (kg/m^2)	32.05	7.14	31.09	26.85	36.45	961	
		CESD	CES-D depressive symptom score (0–60)	37.91	13.90	37.00	34.00	42.00	972	
		CRPRESU0	C-reactive protein (mg/L)	5.38	2.13	4.90	3.50	7.05	972	
		logcrp	Log-transformed CRP	1.60	0.40	1.59	1.25	1.95	972	

**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)**  
**Table 1: Baseline Characteristics by CRP Tertile (log-CRP based)**  
**Categorical Variables (Count and Row %)**

**The FREQ Procedure**

<u>Frequency Percent</u>		Table of crpT by RACE					
crpT(CRP tertile (log-CRP based))		RACE(Race / Ethnicity)					Total
		1	2	3	4	5	
Missing		14 0.47	3 0.10	10 0.33	27 0.90	3 0.10	57 1.89
T1_Low		156 5.19	135 4.49	187 6.22	463 15.39	45 1.50	986 32.78
T2_Mid		242 8.05	72 2.39	57 1.89	515 17.12	107 3.56	993 33.01
T3_High		366 12.17	39 1.30	23 0.76	431 14.33	113 3.76	972 32.31
Total		778 25.86	249 8.28	277 9.21	1436 47.74	268 8.91	3008 100.00

<u>Frequency Percent</u>		Table of crpT by smoke					
crpT(CRP tertile (log-CRP based))		smoke(Smoking status (recode))				Total	
		Current	Former	Missing	Never		
Missing		13 0.43	12 0.40	0 0.00	32 1.06	57 1.89	
T1_Low		142 4.72	227 7.55	7 0.23	610 20.28	986 32.78	
T2_Mid		159 5.29	245 8.14	8 0.27	581 19.32	993 33.01	
T3_High		191 6.35	253 8.41	9 0.30	519 17.25	972 32.31	
Total		505 16.79	737 24.50	24 0.80	1742 57.91	3008 100.00	

<u>Frequency Percent</u>		Table of crpT by meno				
crpT(CRP tertile (log-CRP based))		meno(Menopausal status (recode))			Total	
		EarlyPeri	Other	Premen		
Missing		29 0.96	1 0.03	27 0.90	57 1.89	
T1_Low		432 14.36	11 0.37	543 18.05	986 32.78	
T2_Mid		427 14.20	20 0.66	546 18.15	993 33.01	

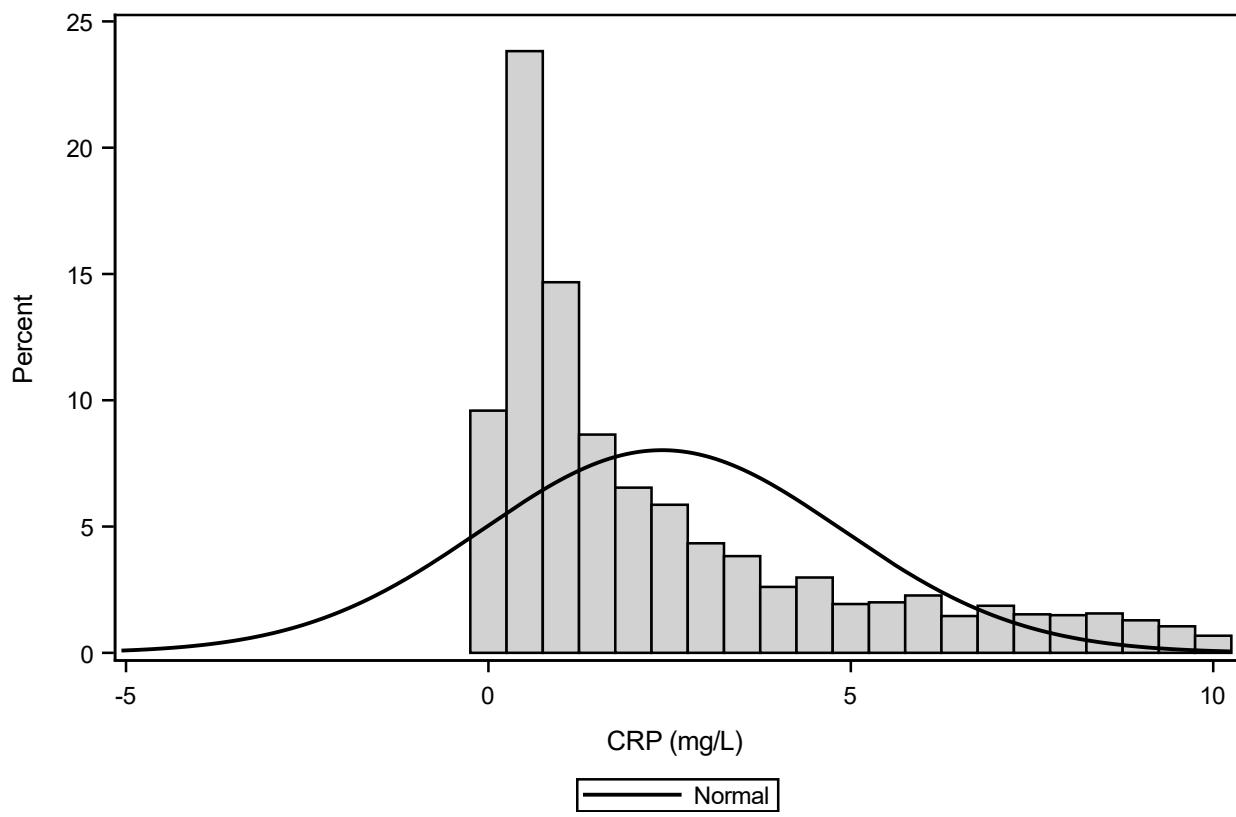
**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)**  
**Table 1: Baseline Characteristics by CRP Tertile (log-CRP based)**  
**Categorical Variables (Count and Row %)**

**The FREQ Procedure**

Frequency Percent	Table of crpT by meno			
crpT(CRP tertile (log-CRP based))	meno(Menopausal status (recode))			Total
T3_High	EarlyPeri	Other	Premen	Total
	457 15.19	16 0.53	499 16.59	972 32.31
Total	1345 44.71	48 1.60	1615 53.69	3008 100.00

SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)

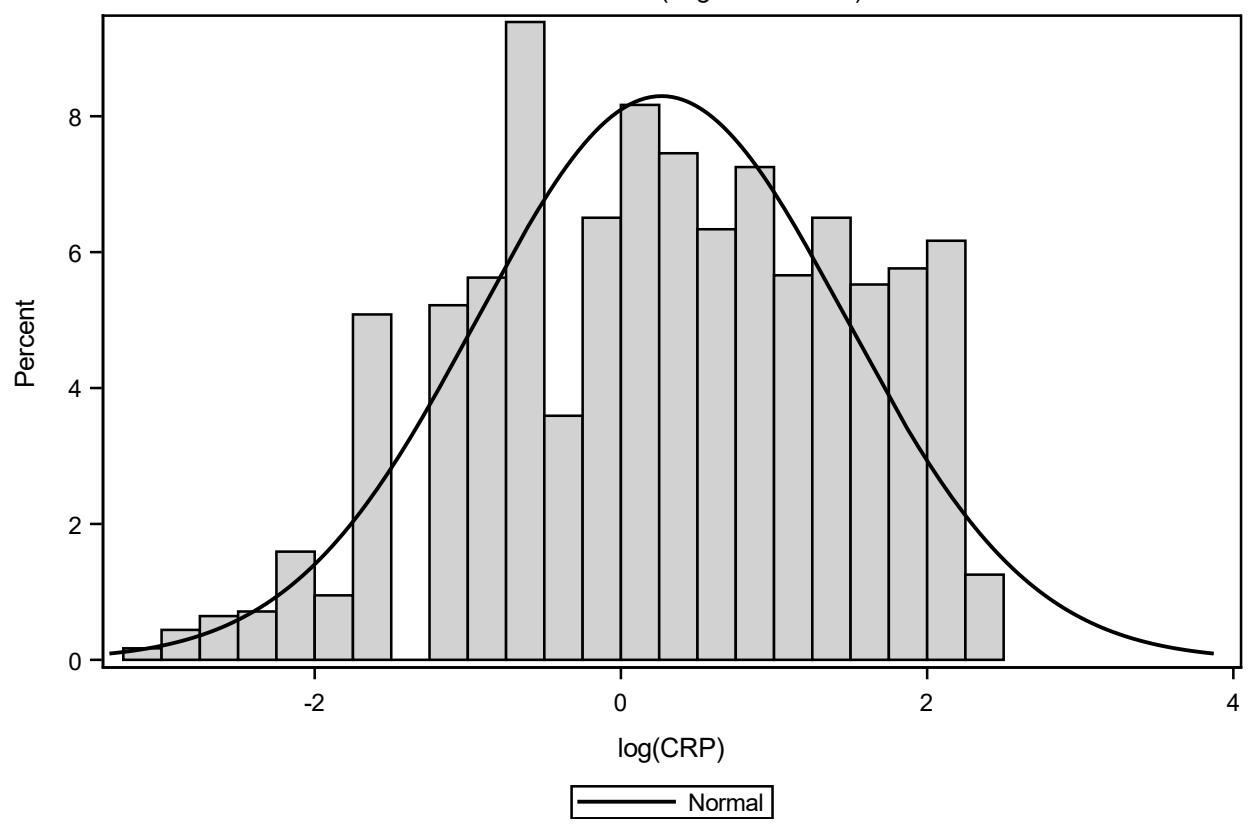
Distributions  
CRP Distribution (Raw)



SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)

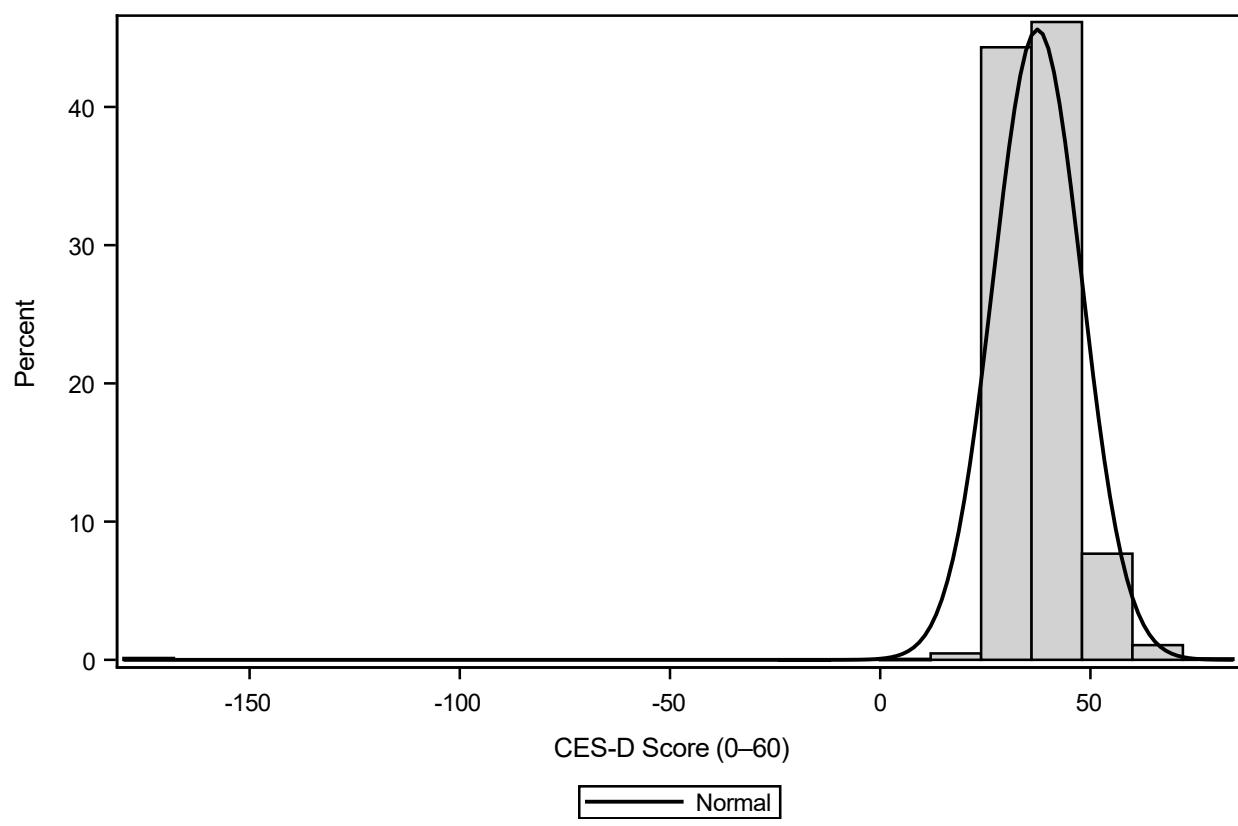
Distributions

CRP Distribution (Log-transformed)



SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)

Distributions  
CES-D Distribution



SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)  
Association Visualization: log(CRP) vs CES-D

