

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

<i>N_Records</i>
3008

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

***The MEANS Procedure***

<i>Variable</i>	<i>Label</i>	<i>N</i>	
		<i>N</i>	<i>Miss</i>
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 <sup>2</sup> )	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**

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

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

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

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<i>Race / Ethnicity</i>				
<i>RACE</i>	<i>Frequency</i>	<i>Percent</i>	<i>Cumulative Frequency</i>	<i>Cumulative Percent</i>
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

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**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**

<i>CRP tertile (log-CRP based)</i>	<i>N Obs</i>	<i>Variable</i>	<i>Label</i>	<i>Mean</i>	<i>Std Dev</i>	<i>Median</i>	<i>25th Pctl</i>	<i>75th Pctl</i>	<i>N</i>
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**

Frequency Percent	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

Frequency Percent	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

Frequency Percent	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

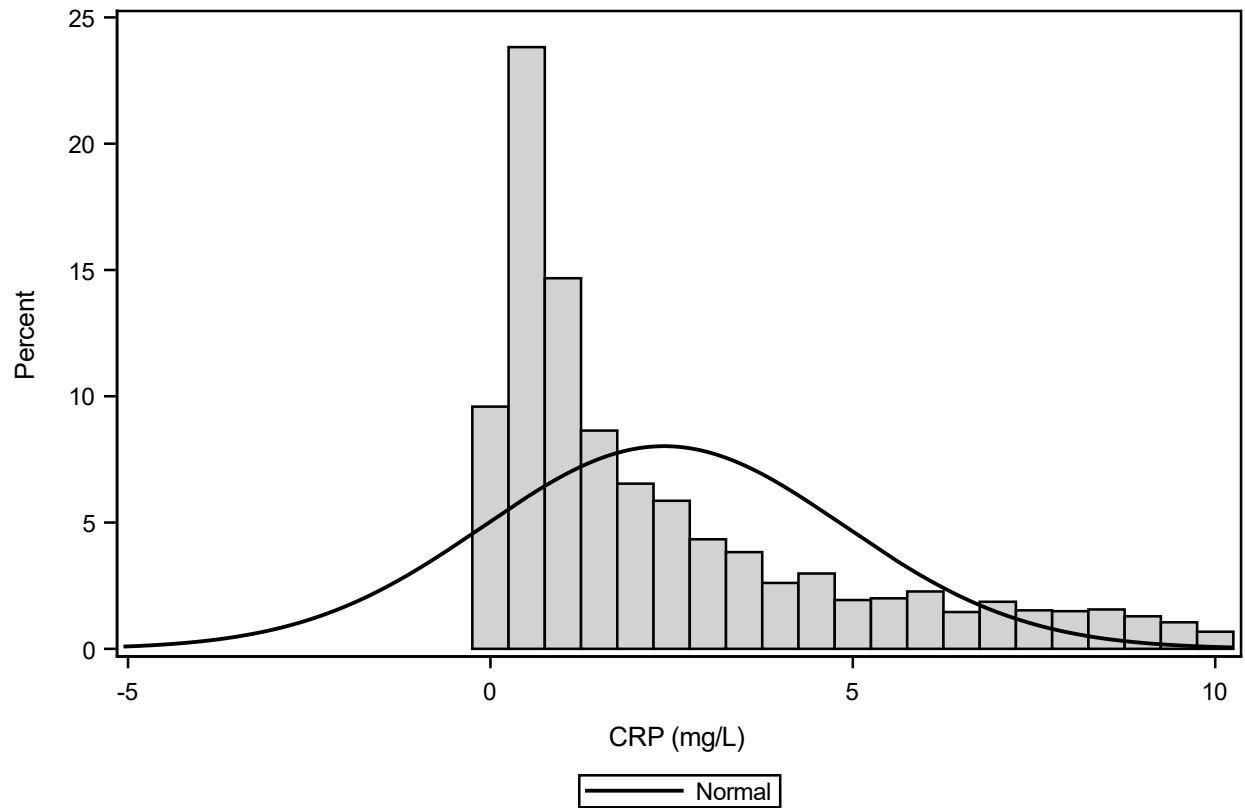
**SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)**  
**Table 1: Baseline Characteristics by CRP Tertile (log-CRP based)**  
**Categorical Variables (Count and Row %)**

**The FREQ Procedure**

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

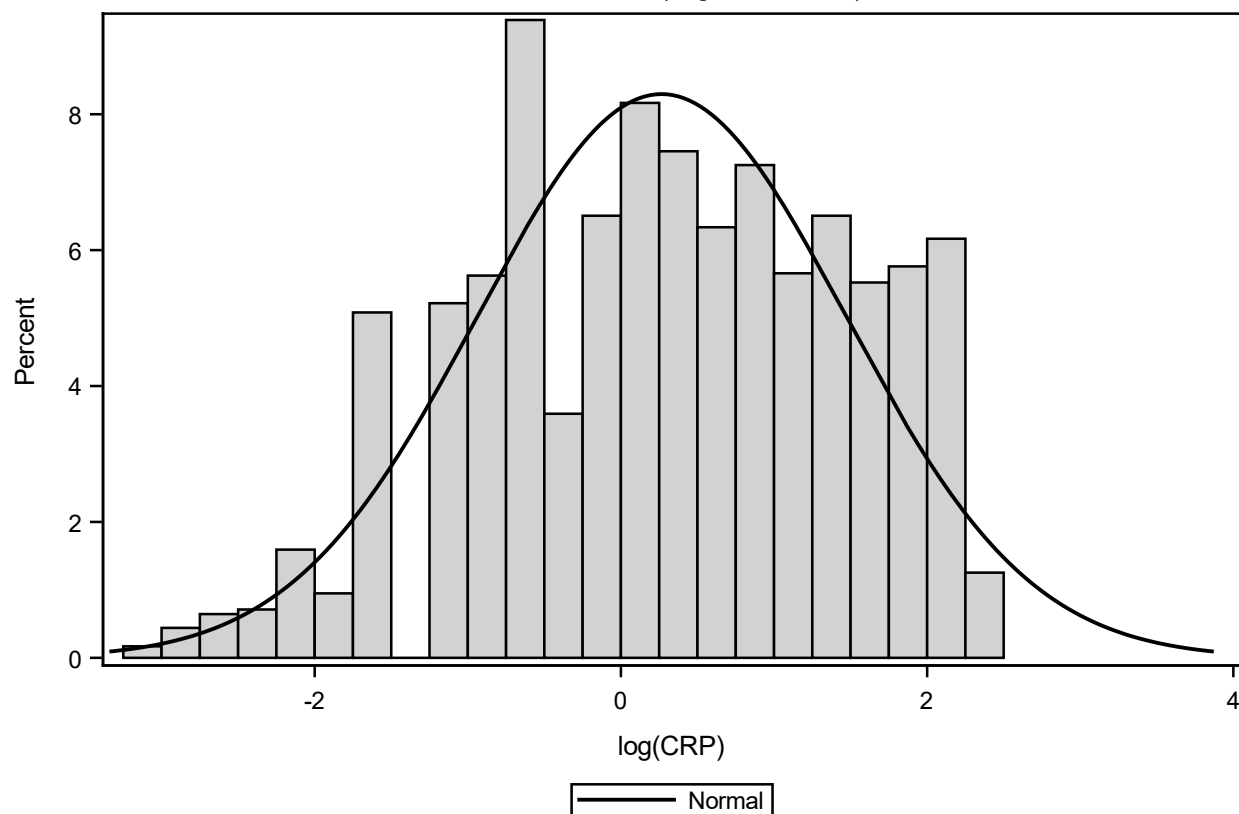
# SWAN Baseline: Systemic Inflammation (CRP) and Depressive Symptoms (CES-D)

Distributions  
CRP Distribution (Raw)



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

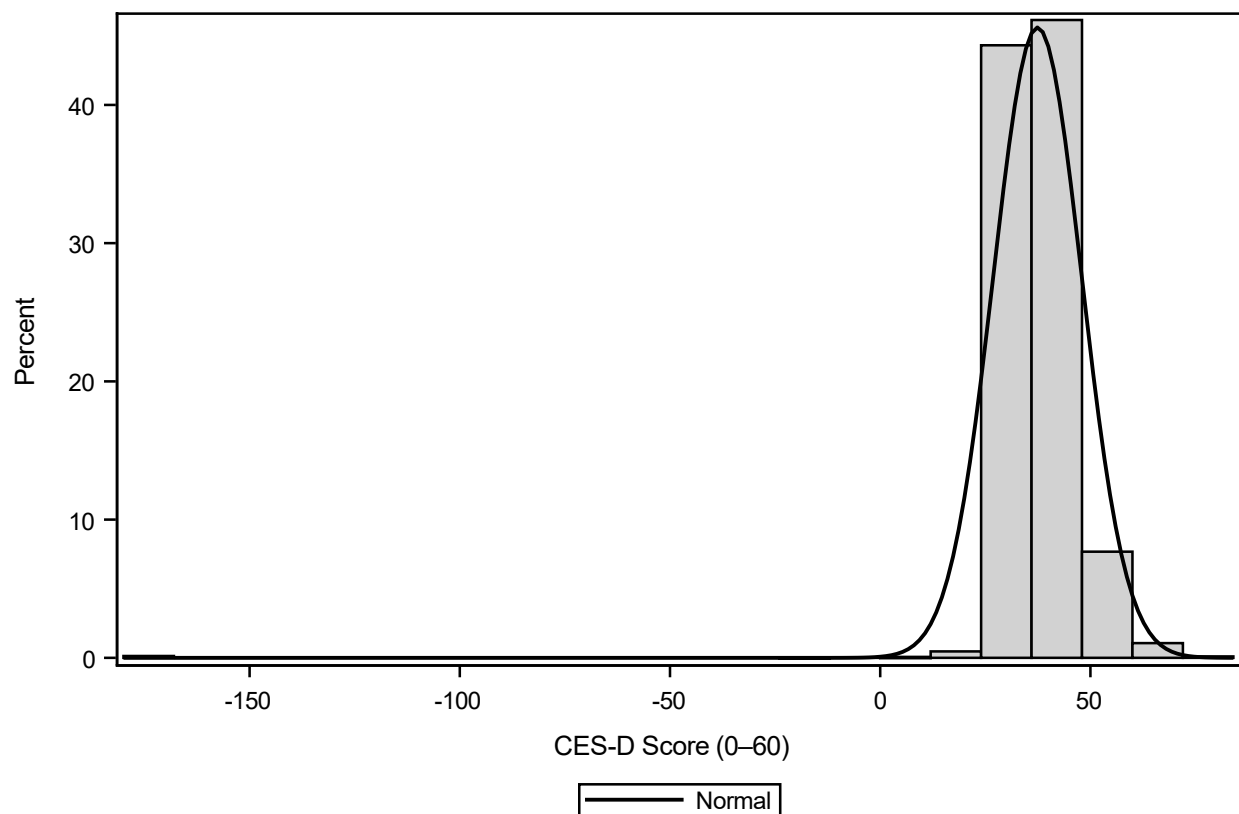
CRP Distribution (Log-transformed)





# 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

