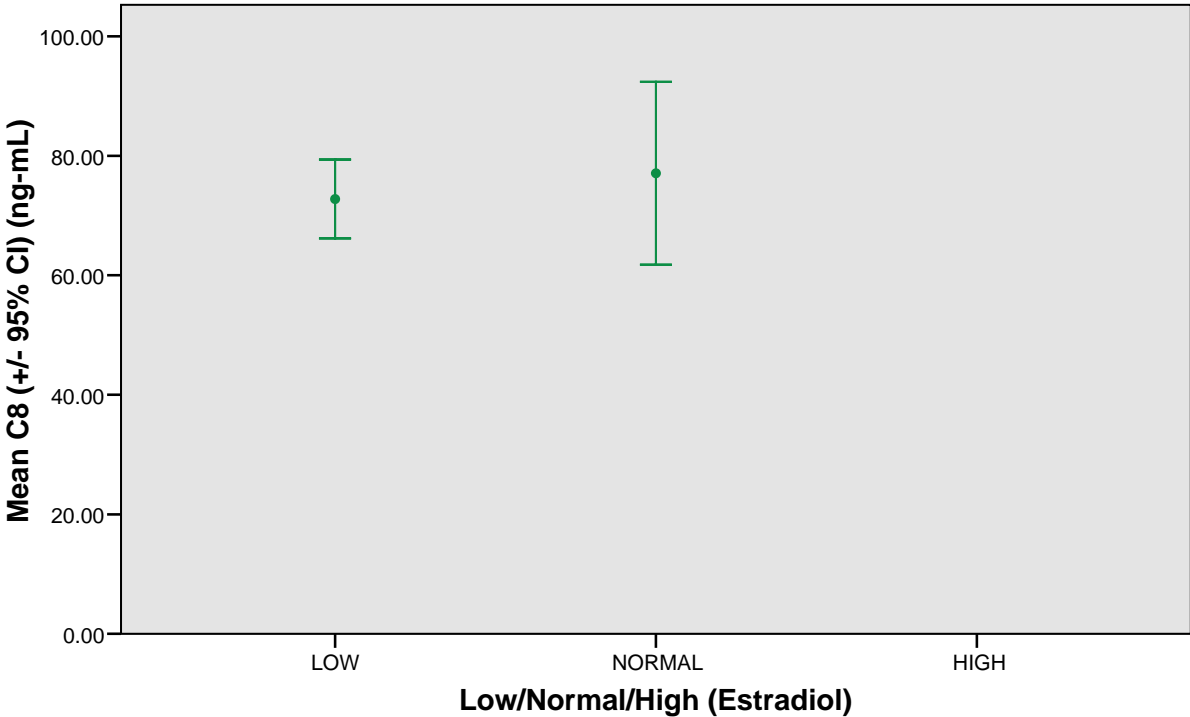


Serum C8 By Estradiol Levels In Females <10 Years Of Age  
C8 (ng-mL)

Estradiol	N	Mean
LOW	1391	72.7642
NORMAL	234	77.0799
Total	1625	73.3857

Serum C8 By Estradiol Levels In Females <10 Years Of Age



Low <20, Normal 20-400, High >400 (Units: pg/mL)

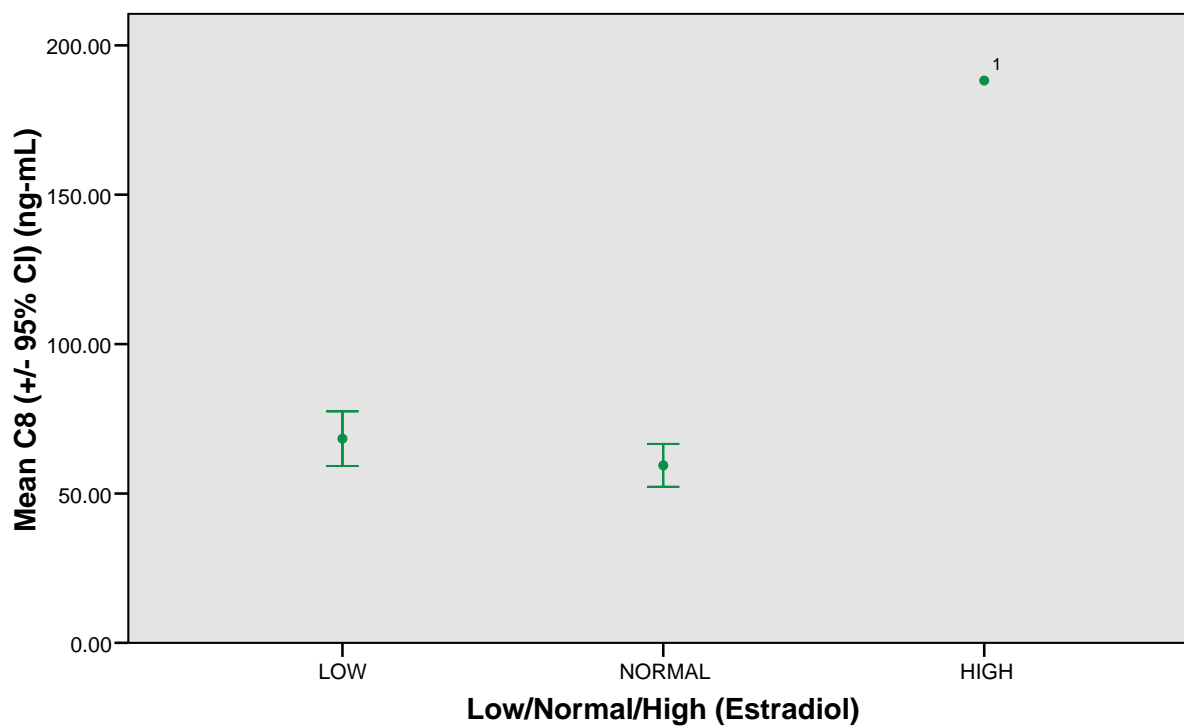
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 10-12 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	435	68.3453
NORMAL	657	59.4166
HIGH	1	188.2000
Total	1093	63.0879

### Serum C8 By Estradiol Levels In Females 10-12 Years Of Age



Low <20, Normal 20-401, High >401 (Units: pg/mL)

Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

<sup>1</sup> Note, very small sample size.

## Serum C8 By Estradiol Levels In Females 13-15 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	170	64.7706
NORMAL	1166	51.5953
HIGH	8	23.7875
Total	1344	53.0963

## Serum C8 By Estradiol Levels In Females 13-15 Years Of Age



Low <20, Normal 20-402, High >402 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

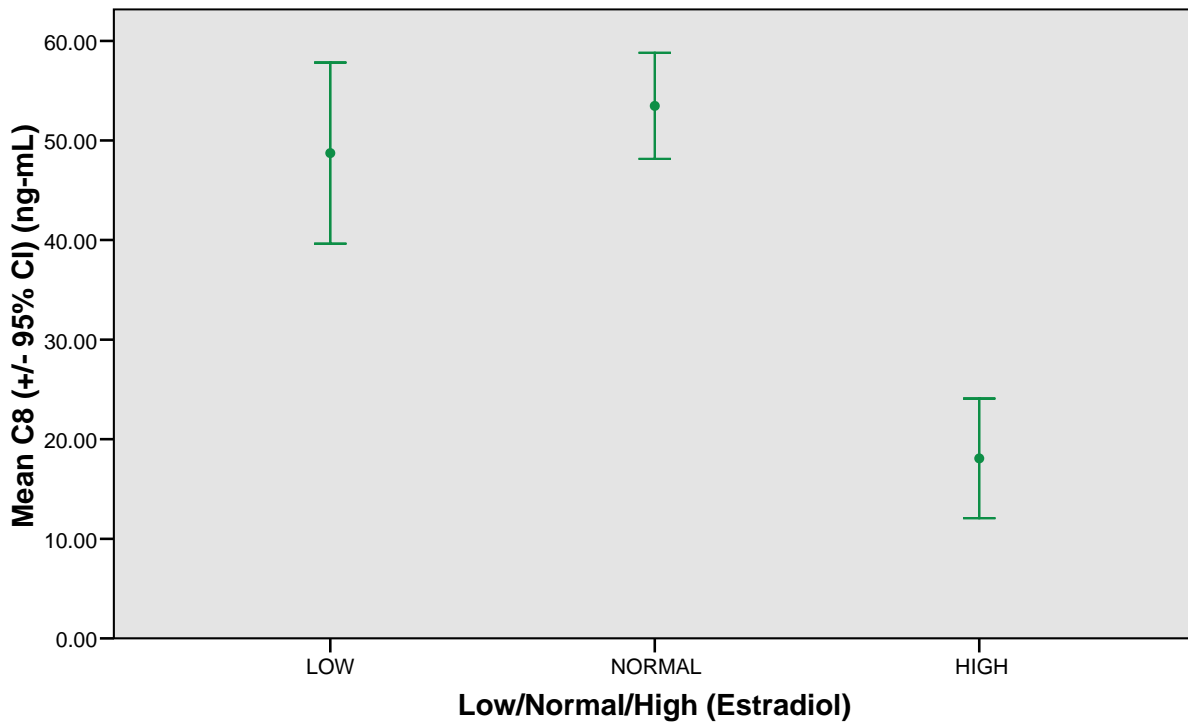
<sup>1</sup> Note, very small sample size.

## Serum C8 By Estradiol Levels In Females 16-18 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	353	48.7263
NORMAL	1130	53.4728
HIGH	40	18.0725
Total	1523	51.4429

### Serum C8 By Estradiol Levels In Females 16-18 Years Of Age



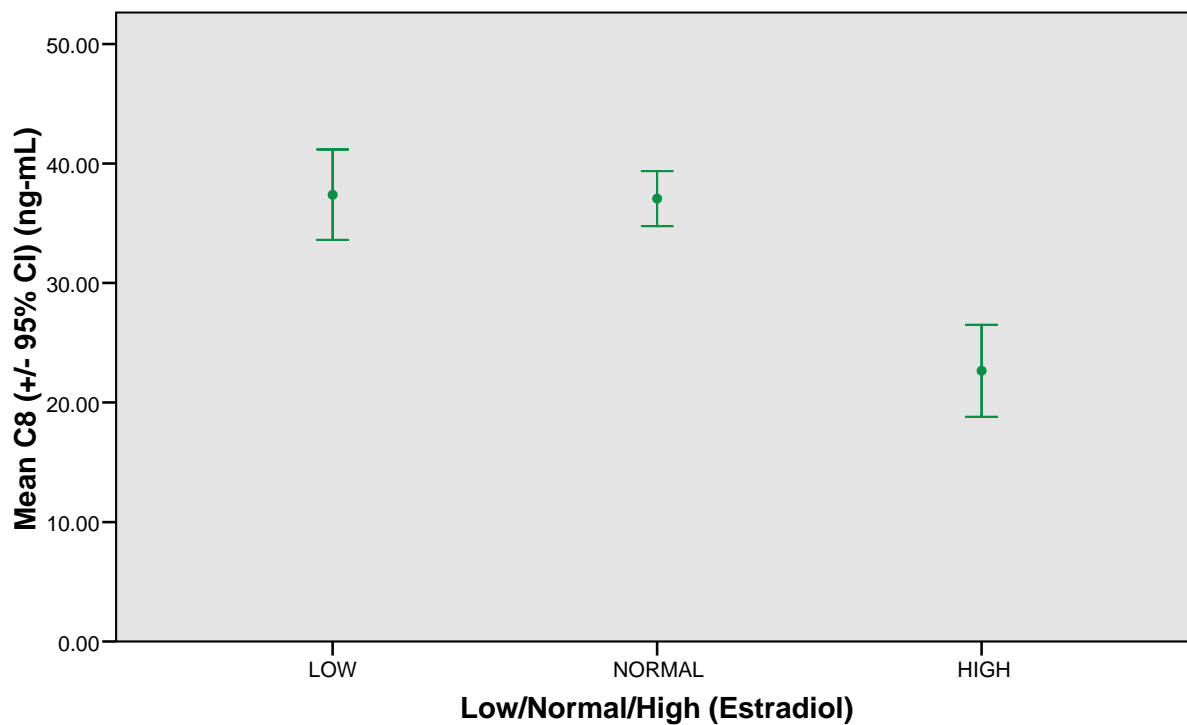
Low <20, Normal 20-403, High >403 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 19-25 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	826	37.3889
NORMAL	2592	37.0599
HIGH	281	22.6555
Total	3699	36.0391

### Serum C8 By Estradiol Levels In Females 19-25 Years Of Age



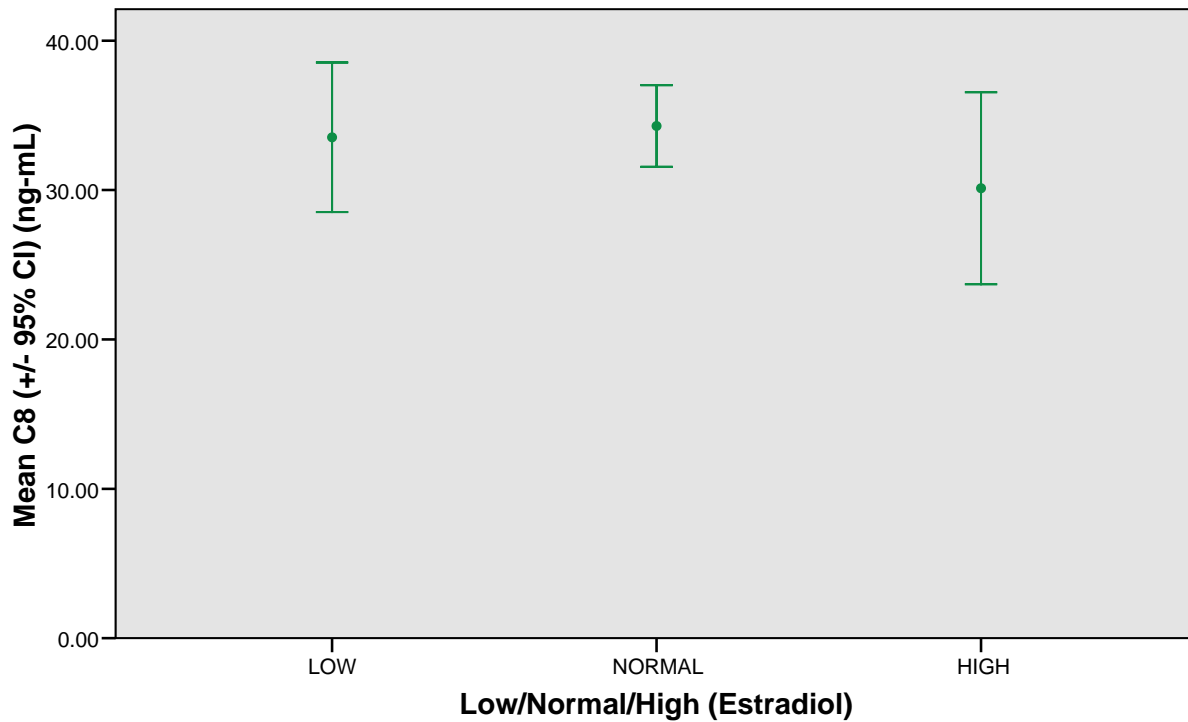
Low <20, Normal 20-404, High >404 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 26-30 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	414	33.5300
NORMAL	2026	34.2864
HIGH	204	30.1191
Total	2644	33.8464

### Serum C8 By Estradiol Levels In Females 26-30 Years Of Age



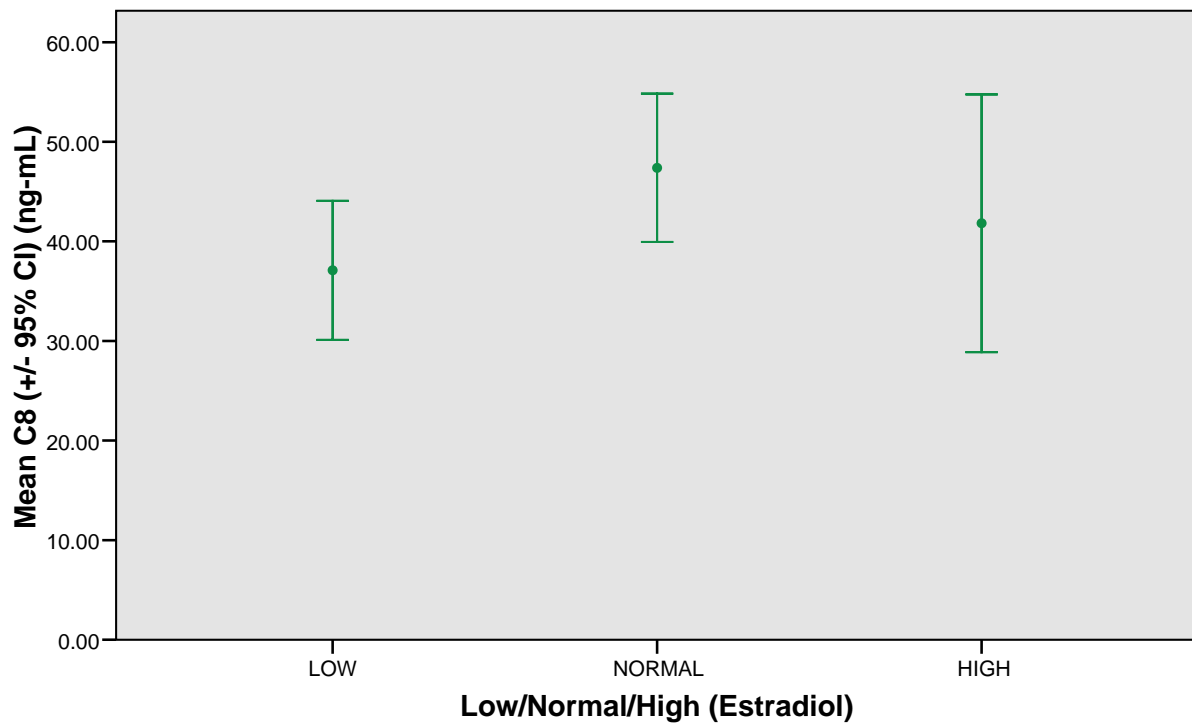
Low <20, Normal 20-405, High >405 (Units: pg/mL)  
 Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 31-35 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	378	37.0929
NORMAL	2405	47.3876
HIGH	121	41.8190
Total	2904	45.8155

## Serum C8 By Estradiol Levels In Females 31-35 Years Of Age



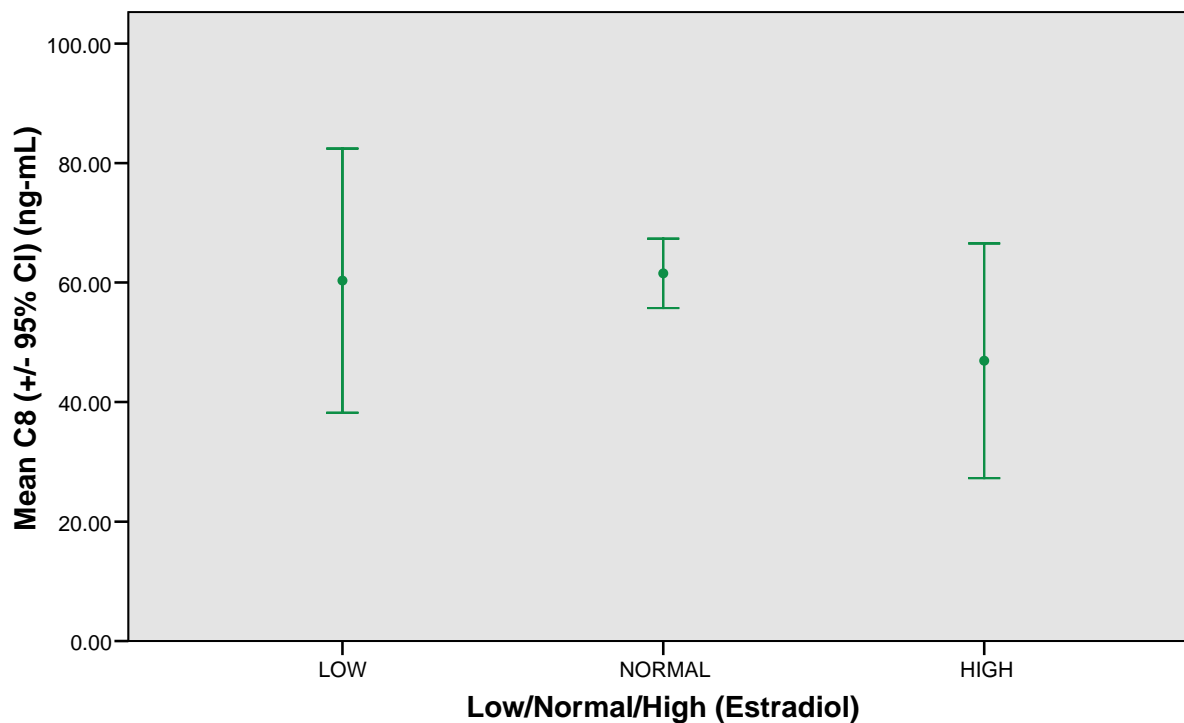
Low <20, Normal 20-406, High >406 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 36-40 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	370	60.3246
NORMAL	2462	61.5370
HIGH	50	46.9080
Total	2882	61.1275

## Serum C8 By Estradiol Levels In Females 36-40 Years Of Age



Low <20, Normal 20-407, High >407 (Units: pg/mL)

Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>



## Serum C8 By Estradiol Levels In Females 41-45 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	469	62.1227
NORMAL	2718	68.2273
HIGH	36	90.8861
Total	3223	67.5921

### Serum C8 By Estradiol Levels In Females 41-45 Years Of Age



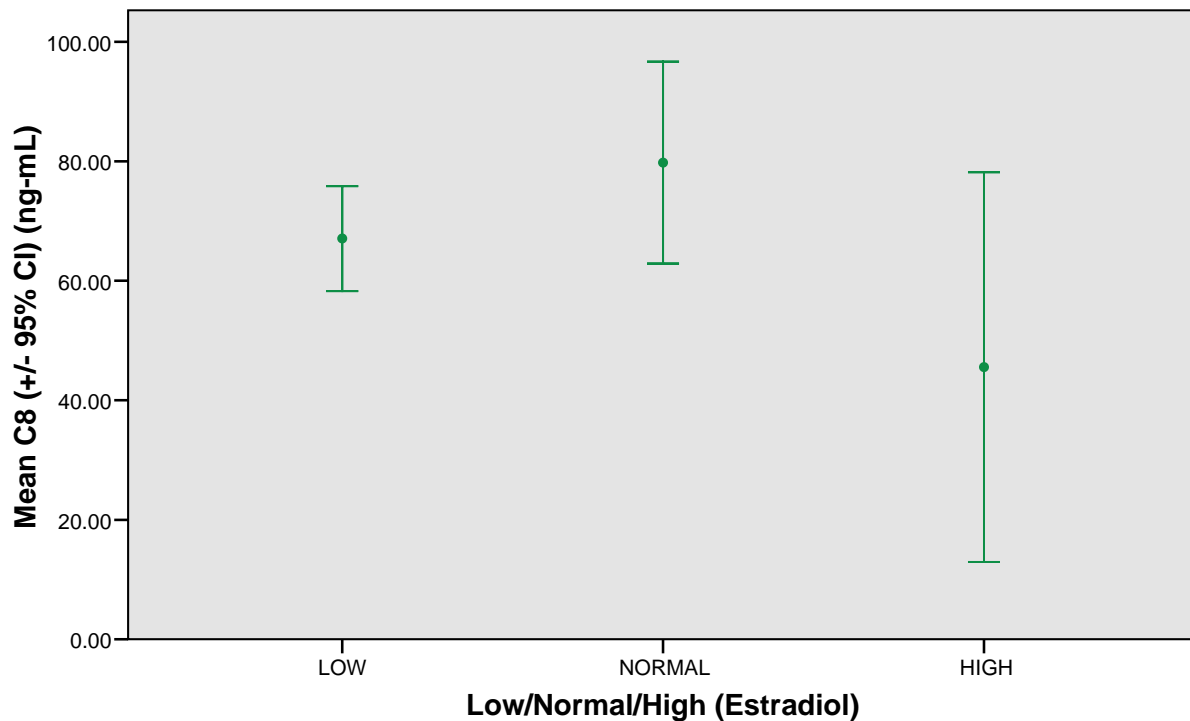
Low <20, Normal 20-408, High >408 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 46-50 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	880	67.0623
NORMAL	2230	79.7686
HIGH	30	45.5533
Total	3140	75.8807

### Serum C8 By Estradiol Levels In Females 46-50 Years Of Age



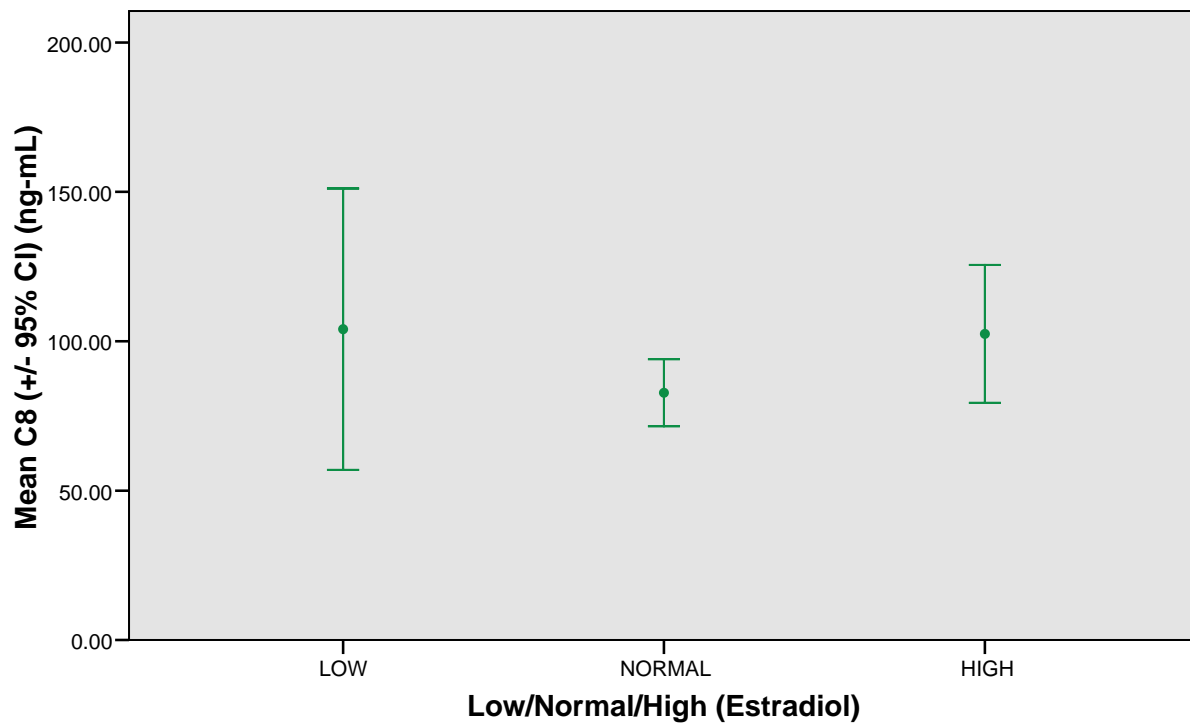
Low <20, Normal 20-409, High >409 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 51-55 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	185	104.0416
NORMAL	1561	82.7811
HIGH	955	102.4661
Total	2701	91.1974

### Serum C8 By Estradiol Levels In Females 51-55 Years Of Age



Low <5, Normal 5-25, High >25 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

**Serum C8 By Estradiol Levels In Females 56-60 Years Of Age**  
C8 (ng-mL)

Estradiol	N	Mean
LOW	146	112.0932
NORMAL	1658	96.1970
HIGH	609	89.2144
Total	2413	95.3965

**Serum C8 By Estradiol Levels In Females 56-60 Years Of Age**



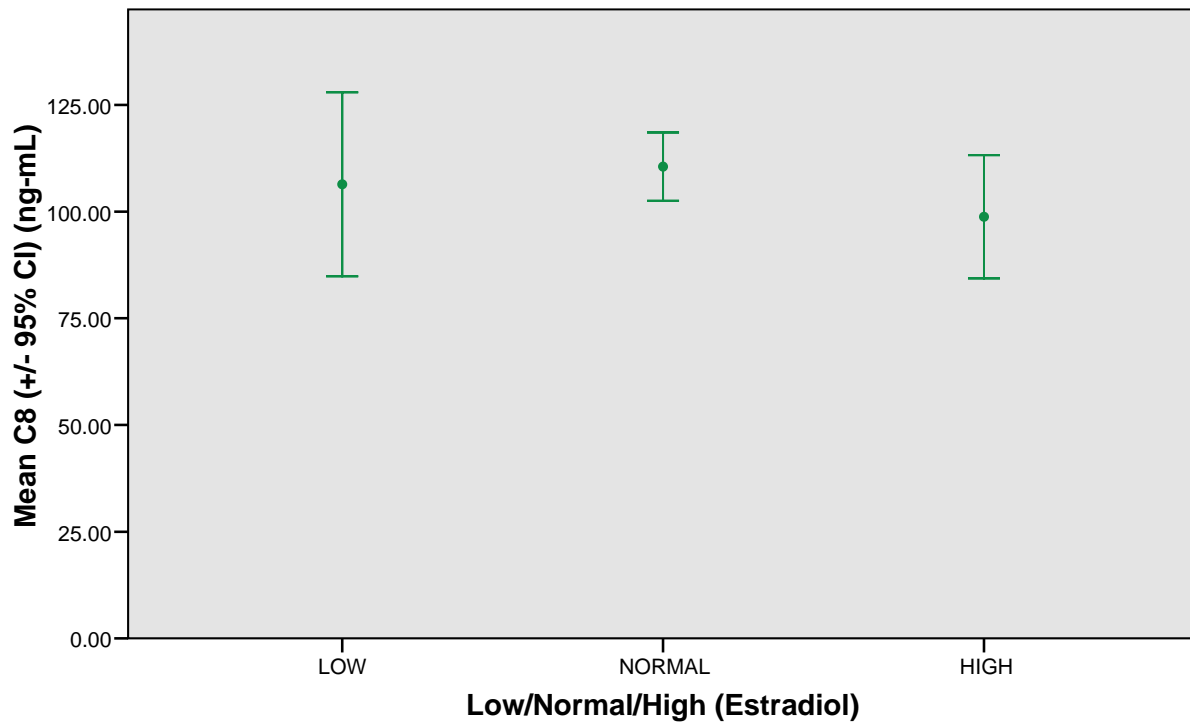
Low <5, Normal 5-26, High >26 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 61-70 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	292	106.3861
NORMAL	2333	110.5473
HIGH	599	98.8012
Total	3224	107.9881

### Serum C8 By Estradiol Levels In Females 61-70 Years Of Age



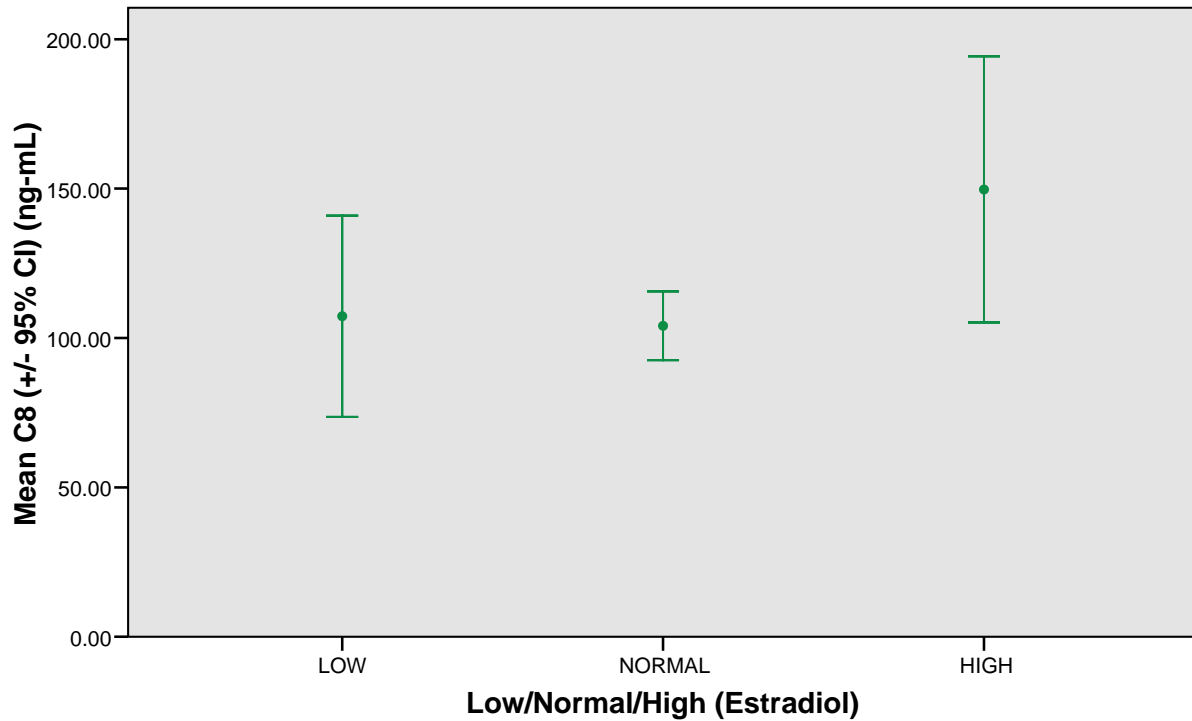
Low <5, Normal 5-27, High >27 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females 71-80 Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	158	107.2734
NORMAL	1186	104.0682
HIGH	162	149.7160
Total	1506	109.3148

## Serum C8 By Estradiol Levels In Females 71-80 Years Of Age



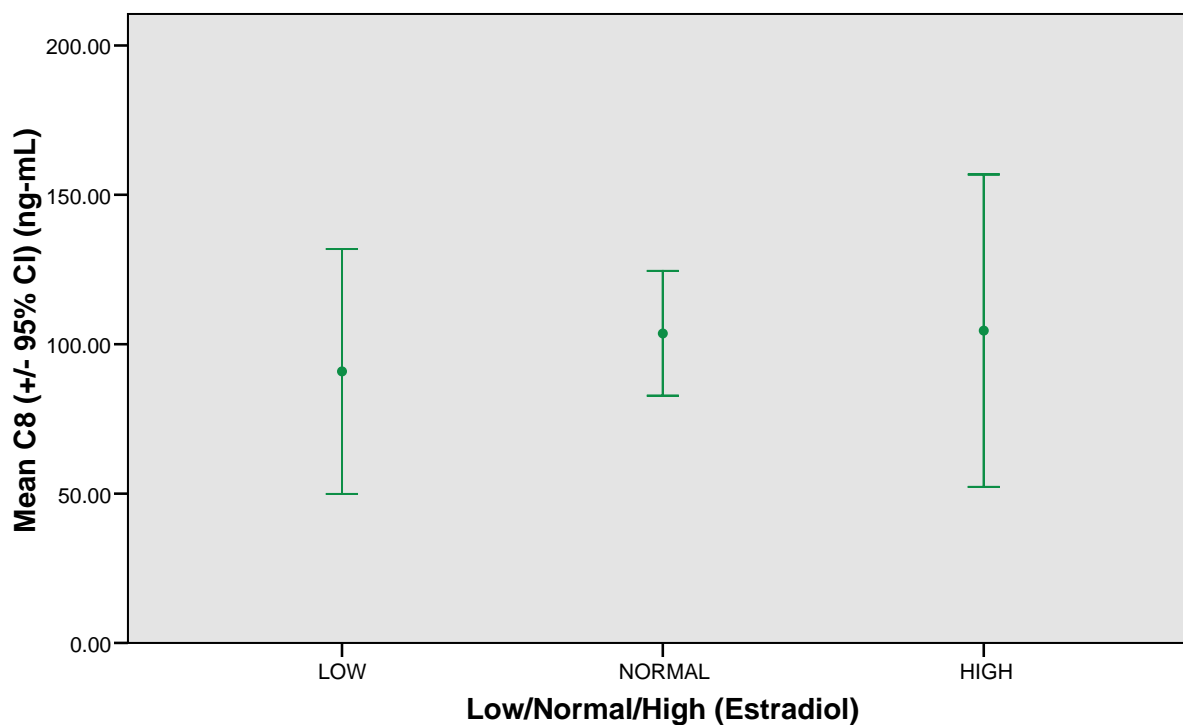
Low <5, Normal 5-28, High >28 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

## Serum C8 By Estradiol Levels In Females $\geq 81$ Years Of Age

C8 (ng-mL)

Estradiol	N	Mean
LOW	64	90.8766
NORMAL	382	103.6186
HIGH	42	104.5274
Total	488	102.0257

## Serum C8 By Estradiol Levels In Females $\geq 81$ Years Of Age



Low <5, Normal 5-29, High >29 (Units: pg/mL)  
Source: <http://www.nlm.nih.gov/medlineplus/ency/article/003711.htm>

The WVU website is a communication vehicle to depict associations or their absence for public use. These tables and graphs show many comparisons between lab tests and corresponding population serum PFOA (C8) levels. When it appears that there is a clear relationship between serum C8 and a clinical laboratory value, the meaning of that relationship still requires thought and discussion. Some of the relationships, while real, are weak and not likely to be important. Several are strong, interesting and potentially important, and none of them can be taken to show an etiologic (cause and effect) relationship or its absence without more work. When it comes to causes, scientists interpret these preliminary data with deference to additional work that needs to be done.

These data concerning associations are for public use. They will receive additional collaborative work in peer review format. We hope they prompt public curiosity and suggestions of interested scientists.