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School of Medicine

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C8 Health Project Results

C8 and Other Laboratory Values

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

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

The results summarized on this page include differences in C8 values based on abnormal clinical laboratory results (normal / abnormal laboratory cutoff values ; referenced on each graph), and for differences on clinical laboratory values by deciles (for a summary of C8 decile cutoffs, please [click here](#)).

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Other Laboratory Values

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Alpha-Fetoprotein Tumor Marker (Serum)

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- [Serum C8 By AFP for Participants 1-2 Years of Age \(24 KB\)](#)
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- [C8 Population Deciles & Alpha-Fetoprotein Tumor Marker \(35 KB\)](#)

Albumin (Serum)

- [Description of Albumin \(37 KB\)](#)
- [Serum C8 By Albumin \(Serum\) Levels In Participants <18 Years Of Age \(24 KB\)](#)
- [Serum C8 By Albumin \(Serum\) Levels In Participants >=18 Years Of Age \(24 KB\)](#)
- [C8 Population Deciles & Albumin \(37 KB\)](#)

Alkaline Phosphatase (Serum)

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- [Serum C8 By Alkaline Phosphatase Levels in Participants 4-6 Years of Age \(24 KB\)](#)
- [Serum C8 By Alkaline Phosphatase Levels in Participants 7-9 Years of Age \(24 KB\)](#)
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- [Serum C8 By Alkaline Phosphatase Levels In Participants 16-17 Years of Age \(36 KB\)](#)
- [Serum C8 By Alkaline Phosphatase Levels In Participants 18-59 Years of Age \(36 KB\)](#)
- [Serum C8 By Alkaline Phosphatase Levels In Participants >=60 Years of Age \(36 KB\)](#)
- [C8 Population Deciles & Alkaline Phosphatase \(36 KB\)](#)

Alanine Transaminase (ALT or SGPT)

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- [Serum C8 By Alanine Transaminase Levels In Participants 1-3 Years of Age \(36 KB\)](#)
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- [C8 Population Deciles & Alanine Transaminase \(36 KB\)](#)

Antinuclear Antibodies (Direct)

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- [C8 Population Deciles & Antinuclear Antibodies \(38 KB\)](#)

Aspartate Aminotransferase (AST or SGOT)

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Basophils (Absolute)

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- [C8 Population Deciles & Basophils \(Absolute\) \(38 KB\)](#)

Basophils (Percent)

- [Description of Basophils \(as part of Blood Differential\) \(39 KB\)](#)
- [Serum C8 By Percent Basophil Levels In Participants <18 Years Of Age \(38 KB\)](#)
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- [C8 Population Deciles & Basophils \(Percent\) \(37 KB\)](#)

Bilirubin, Direct

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- [C8 Population Deciles & Bilirubin, Direct \(37 KB\)](#)

Bilirubin, Total

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- [C8 Population Deciles & Bilirubin, Total \(37 KB\)](#)

Blood Urea Nitrogen (BUN)

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- [Serum C8 By BUN Levels In Participants <12 Years Of Age \(23 KB\)](#)
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- [Serum C8 By BUN Levels In Participants >=18 And <60 Years Of Age \(23 KB\)](#)
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BUN: Creatinine (Ratio)

- [Description of BUN: Creatinine](#)
- [Serum C8 By BUN:Creatinine \(Ratio\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
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Calcium (Serum)

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- [C8 Population Deciles & Calcium \(37 KB\)](#)

Cancer Antigen (CA-125)

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Carcinoembryonic Antigen (CEA)

- [Description of CEA \(39KB\)](#)
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- [C8 Population Deciles & Carcinoembryonic Antigen \(34 KB\)](#)

Chloride (Serum)

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Cholesterol, Total

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- [C8 Population Deciles & Cholesterol \(36 KB\)](#)

Cortisol

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- [C8 Population Deciles & Cortisol \(37 KB\)](#)

C-Reactive Protein (CRP)

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- [C8 Population Deciles & C-Reactive Protein \(38 KB\)](#)

Creatinine (Serum)

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- [Serum C8 By Creatinine \(Serum\) Levels In Participants \$< 18\$ Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Creatinine \(36 KB\)](#)

Eosinophil

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- [C8 Population Deciles & Eosinophil \(37 KB\)](#)

Eosinophil (Absolute)

- [Description of Absolute Eosinophils \(40 KB\)](#)
- [Serum C8 By Eosinophil \(Absolute\) Levels In Participants \$< 18\$ Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Eosinophil \(Absolute\) \(38 KB\)](#)

Estradiol

- [Description of Estradiol \(40 KB\)](#)
- [Serum C8 By Estradiol Levels In Females \(15 Age Groups\) \(82 KB\)](#)
- [Serum C8 By Estradiol Levels In Females Stratified By Age-Group \(31 KB\)](#)
- [Serum C8 By Estradiol Levels In Males \(6 Age Groups\) \(31 KB\)](#)
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- [C8 Population Deciles & Estradiol \(36 KB\)](#)

Folates (Folic Acid; Serum)

- [Description of Folic Acid \(38 KB\)](#)
- [Serum C8 By Folic Acid \(Serum\) Levels In Participants \$< 18\$ Years Of Age \(23 KB\)](#)
- [Serum C8 By Folic Acid \(Serum\) Levels In Participants \$\geq 18\$ Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Folates \(38 KB\)](#)

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Free Testosterone (Direct)

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- [Serum C8 By Testosterone Levels In Females \(6 Age Groups\) \(30 KB\)](#)
- [Serum C8 By Testosterone Levels In Adult Females Stratified by Age-Group \(30 KB\)](#)
- [Serum C8 By Testosterone Levels In Males \(6 Age Groups\) \(31 KB\)](#)
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Free Thyroxine Index

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- [C8 Population Deciles & Free Thyroxine Index \(37 KB\)](#)

Gamma-glutamyl Transpeptidase (GGT)

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- [Serum C8 By GGT Levels In Participants <18 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Gamma-glutamyl Transpeptidase \(35 KB\)](#)

Globulin, Total

- [Description of Globulin \(36 KB\)](#)
- [Serum C8 By Globulin \(Total\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Globulin, Total \(36 KB\)](#)

Glucose (Serum)

- [Description of Serum Glucose \(44 KB\)](#)
- [Serum C8 By Glucose Levels In Fasting Participants <18 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Glucose \(36 KB\)](#)

High Density Lipoprotein (HDL) Cholesterol

- [Description of HDL \(40 KB\)](#)
- [Serum C8 By HDL Cholesterol Levels In Participants >=2 And <20 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & High Density Lipoprotein \(HDL\) Cholesterol \(37 KB\)](#)

Hematocrit

- [Description of Hematocrit \(36 KB\)](#)
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- [C8 Population Deciles & Hematocrit \(35 KB\)](#)

Hemoglobin

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- [Serum C8 By Hemoglobin Levels In Participants >=2 And <10 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Hemoglobin \(36 KB\)](#)

Immunoglobulin A (IgA; Serum)

- [Description of IgA \(as part of Antibody Tests\) \(99 KB\)](#)
- [Serum C8 By Immunoglobulin A \(Serum\) Levels In Participants >=1 And < Age \(23 KB\)](#)
- [Serum C8 By Immunoglobulin A \(Serum\) Levels In Participants >=4 And < Age \(23 KB\)](#)
- [Serum C8 By Immunoglobulin A \(Serum\) Levels In Participants >=7 And < Age \(23 KB\)](#)
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- [Serum C8 By Immunoglobulin A \(Serum\) Levels In Participants >=14 And < Of Age \(23 KB\)](#)
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- [Serum C8 By Immunoglobulin A \(IgA\) Levels In Females Stratified By Age \(KB\)](#)
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- [C8 Population Deciles & Immunoglobulin A \(37 KB\)](#)

Immunoglobulin E (IgE; Total)

- [Description of IgE \(as part of Antibody Tests\) \(99 KB\)](#)
- [Serum C8 By Immunoglobulin E \(Total\) Levels In Participants >=1 And <5 Age \(23 KB\)](#)
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- [Serum C8 By Immunoglobulin E \(IgE\) Levels In Females Stratified By Age-G \(KB\)](#)
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- [C8 Population Deciles & Immunoglobulin E \(37 KB\)](#)

Immunoglobulin G (IgG; Serum)

- [Description of IgG \(as part of Antibody Tests\) \(99 KB\)](#)
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KB)

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Immunoglobulin M (IgM; Serum)

- [Description of IgM \(as part of Antibody Tests\) \(99 KB\)](#)
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- [C8 Population Deciles & Immunoglobulin M \(37 KB\)](#)

Insulin

- [Description of Insulin \(37 KB\)](#)
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- [C8 Population Deciles & Insulin \(38 KB\)](#)

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- [Description of IGF-1 \(50 KB\)](#)
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- [C8 Population Deciles & Lactate Dehydrogenase \(35 KB\)](#)

Low Density Lipoprotein (LDL) Cholesterol (Calculated Value)

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- [C8 Population Deciles & Low Density Lipoprotein \(LDL\) Cholesterol \(37 KB\)](#)

Lymphocytes

- [Description of Lymphocytes \(as part of Complete Blood Count\) \(58 KB\)](#)
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- [C8 Population Deciles & Lymphocytes \(36 KB\)](#)

Lymphocytes (Absolute)

- [Description of Lymphocytes \(Absolute\) \(as part of Complete Blood Count\) \(58 KB\)](#)
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Magnesium (Serum)

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Mean Corpuscular Hemoglobin (MCH)

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Mean Corpuscular Hemoglobin Concentration (MCHC)

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Mean Corpuscular Volume (MCV)

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Monocytes

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Monocytes (Absolute)

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Neutrophils

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- [C8 Population Deciles & Neutrophils \(36 KB\)](#)

Neutrophils (Absolute)

- [Description of Absolute Neutrophils \(as part of Blood Differential\) \(39 KB\)](#)
- [Serum C8 By Neutrophil \(Absolute\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
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- [C8 Population Deciles & Neutrophils \(Absolute\) \(38 KB\)](#)

Phosphorus (Serum)

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- [Description of Phosphorus \(36 KB\)](#)
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- [Serum C8 By Phosphorus \(Serum\) Levels In Participants >=20 Years Of Age \(35 KB\)](#)
- [C8 Population Deciles & Phosphorus \(35 KB\)](#)

Platelets

- [Description of Platelets \(35 KB\)](#)
- [Serum C8 By Platelet Levels In Participants <18 Years Of Age \(55 KB\)](#)
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- [C8 Population Deciles & Platelets \(37 KB\)](#)

Potassium (Serum)

- [Description of Potassium \(40 KB\)](#)
- [Serum C8 By Potassium \(Serum\) Levels In Participants <18 Years Of Age \(37 KB\)](#)
- [Serum C8 By Potassium \(Serum\) Levels In Participants >=18 Years Of Age \(37 KB\)](#)
- [C8 Population Deciles & Potassium \(37 KB\)](#)

Prolactin

- [Description of Prolactin \(34 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=1 And <4 Years Of Age \(23 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=4 And <7 Years Of Age \(23 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=7 And <10 Years Of Age \(23 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=10 And <13 Years Of Age \(23 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=13 And <16 Years Of Age \(23 KB\)](#)
- [Serum C8 By Prolactin Levels In Participants >=16 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Prolactin \(37 KB\)](#)

Prostate-Specific Antigen (PSA; Serum)

- [Description of PSA \(36 KB\)](#)
- [Serum C8 By Prostate-Specific Antigen \(Serum\) Levels In Males <18 Years Of Age \(21 KB\)](#)
- [Serum C8 By Prostate-Specific Antigen \(Serum\) Levels In Males >=18 Years Of Age \(21 KB\)](#)
- [C8 Population Deciles & Prostate-Specific Antigen \(32 KB\)](#)

Total Protein (Serum)

- [Description of Total Protein \(34 KB\)](#)
- [Serum C8 By Protein \(Serum\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Protein \(Serum\) Levels In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Total Protein \(37 KB\)](#)

Red Cell Distribution Width (RDW)

- [Description of RDW \(as part of Complete Blood Count\) \(59 KB\)](#)
- [Serum C8 By Red Cell Distribution Width \(RDW\) In Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Red Cell Distribution Width \(RDW\) In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Red Cell Distribution Width \(36 KB\)](#)

Red Blood Cell Count (RBC)

- [Description of RBC \(as part of Complete Blood Count\) \(59 KB\)](#)
- [Serum C8 By Red Blood Cell \(RBC\) Count In Participants <18 Years Of Age \(23 KB\)](#)

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- [Serum C8 By Red Blood Cell \(RBC\) Count In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Red Blood Cell Count \(37 KB\)](#)

Sodium (Serum)

- [Description of Sodium \(37 KB\)](#)
- [Serum C8 By Sodium \(Serum\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Sodium \(Serum\) Levels In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Sodium \(38 KB\)](#)

T3 Uptake

- [Description of T3 \(36 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=1 And <4 Years Of Age \(23 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=4 And <7 Years Of Age \(23 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=7 And <13 Years Of Age \(23 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=13 And <16 Years Of Age \(23 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=16 And <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By T3 Uptake Levels In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & T3 Uptake \(36 KB\)](#)

Testosterone (Serum)

- [Description of Testosterone \(39 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=1 And <6 Years Of Age \(23 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=6 And <8 Years Of Age \(23 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=8 And <11 Years Of Age \(23 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=11 And <13 Years Of Age \(23 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=13 And <16 Years Of Age \(23 KB\)](#)
- [Serum C8 By Testosterone \(Serum\) Levels In Participants >=16 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Testosterone \(35 KB\)](#)

Thyroxine (T4)

- [Description of T4 \(37 KB\)](#)
- [Serum C8 By Thyroxine \(T4\) Levels In Participants <18 Years Of Age \(56 KB\)](#)
- [Serum C8 By Thyroxine \(T4\) Levels In Participants >=18 Years Of Age \(55 KB\)](#)
- [C8 Population Deciles & Thyroxine \(T4\) \(37 KB\)](#)

Triglycerides

- [Description of Triglycerides \(41 KB\)](#)
- [Serum C8 By Triglyceride Levels In Fasting \(Self-Reported\) Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Triglyceride Levels In Fasting \(Self-Reported\) Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Triglycerides \(37 KB\)](#)

Thyroid Stimulating Hormone (TSH)

- [Description of TSH \(36 KB\)](#)
- [Serum C8 By Thyroid Stimulating Hormone \(TSH\) Levels In Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Thyroid Stimulating Hormone \(TSH\) Levels In Participants >=18 Years Of Age \(23 KB\)](#)

- [Serum C8 By Thyroid Stimulating Hormone \(TSH\) Levels In Participants >= Of Age \(23 KB\)](#)
- [C8 Population Deciles & Thyroid Stimulating Hormone \(TSH\) \(36 KB\)](#)

Uric Acid (Serum)

- [Description of Uric Acid \(33 KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=1 And <4 Years C KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=4 And <7 Years C KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=7 And <10 Years KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=10 And <13 Year: KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=13 And <16 Year: KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=16 And <18 Year: KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=18 And <60 Year: KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=60 And <90 Year: KB\)](#)
- [Serum C8 By Uric Acid \(Serum\) Levels In Participants >=90 Years Of Age](#)
- [C8 Population Deciles & Uric Acid \(36 KB\)](#)

Vitamin B12

- [Description of Vitamin B12 \(25 KB\)](#)
- [Serum C8 By Vitamin B12 Levels In Participants <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Vitamin B12 Levels In Participants >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Vitamin B12 \(37 KB\)](#)

Very Low Density Lipoprotein (VLDL) Cholesterol (Calculated Value)

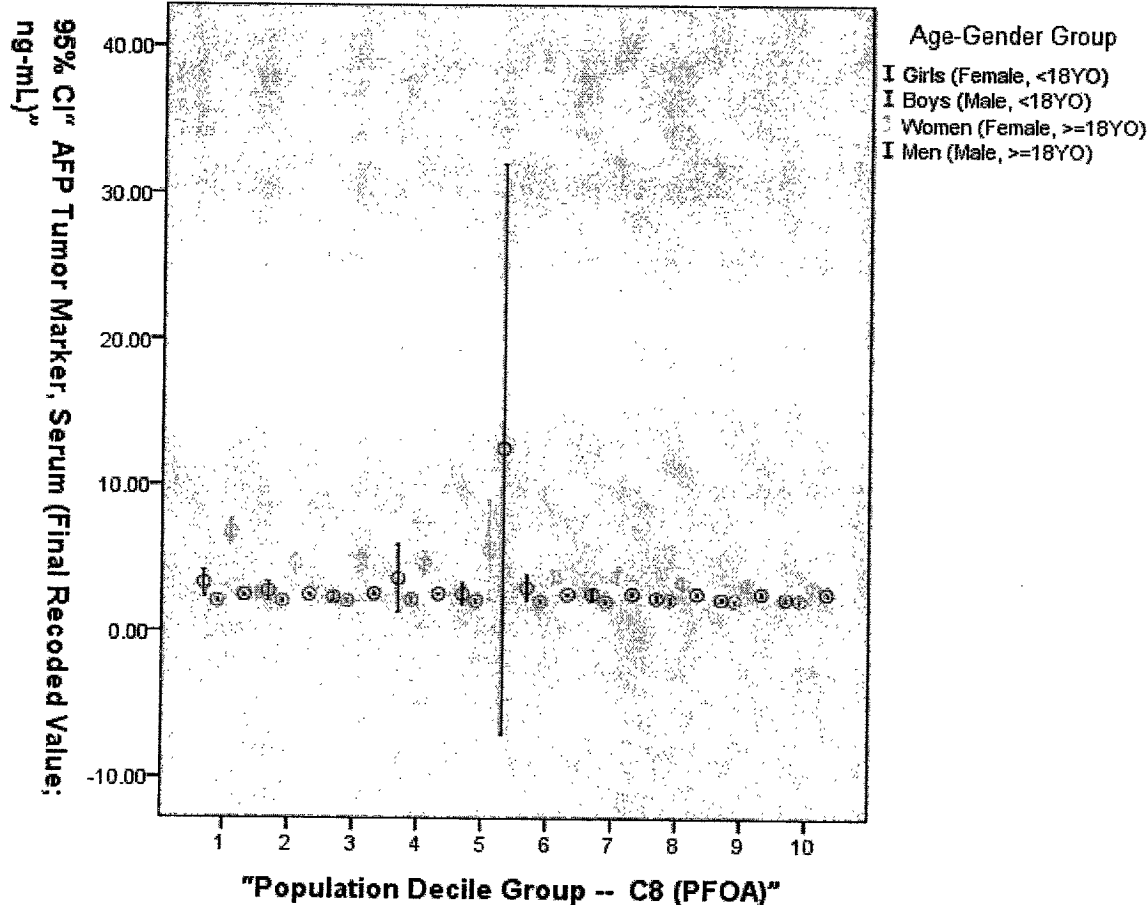
- [Description of VLDL \(24 KB\)](#)
- [Serum C8 By Very Low Density Lipoprotein \(VLDL\) Cholesterol Levels In F <18 Years Of Age \(23 KB\)](#)
- [Serum C8 By Very Low Density Lipoprotein \(VLDL\) Cholesterol Levels In F >=18 Years Of Age \(23 KB\)](#)
- [C8 Population Deciles & Very Low Density Lipoprotein \(VLDL\) Cholesterol](#)

White Blood Cell Count (WBC)

- [Description of WBC \(37 KB\)](#)
- [Serum C8 By White Blood Cell \(WBC\) Count In Participants >=2 And <10 \ Age \(47 KB\)](#)
- [Serum C8 By White Blood Cell \(WBC\) Count In Participants >=10 And <18 Age \(55 KB\)](#)
- [Serum C8 By White Blood Cell \(WBC\) Count In Participants >=18 Years Of KB\)](#)
- [C8 Population Deciles & White Blood Cell Count \(39 KB\)](#)

Association Between C8 Deciles and AFP Tumor Marker, Serum (ng-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

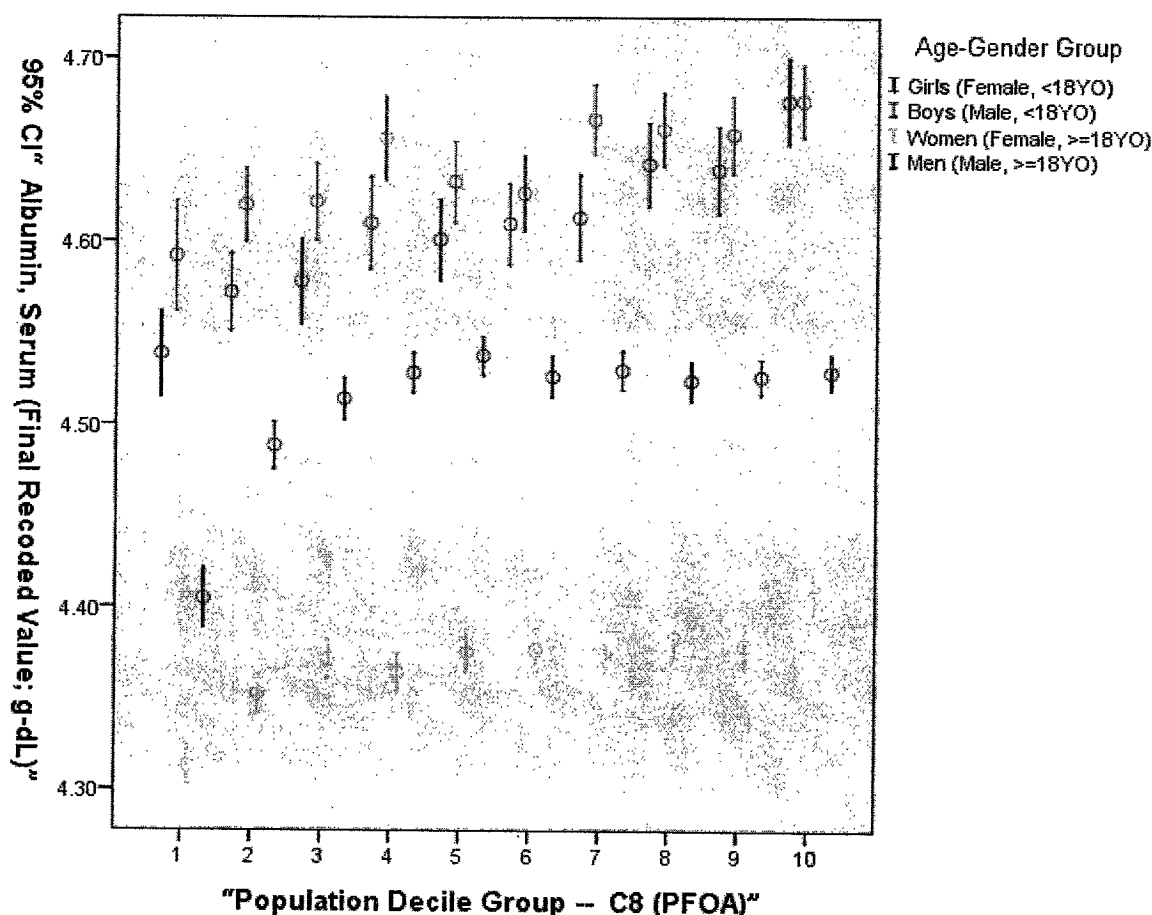


14

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Albumin, Serum (g-dL) Stratified by Age & Gender

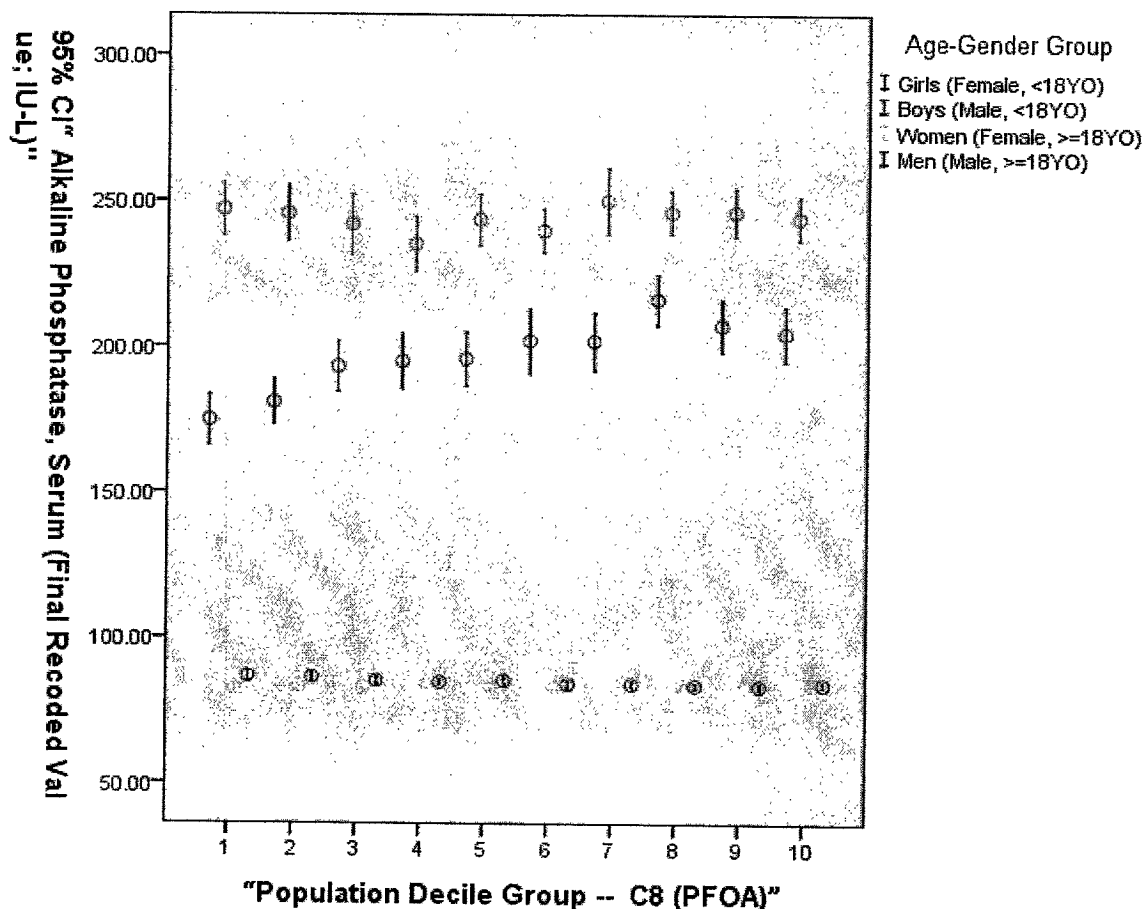
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Alkaline Phosphatase, Serum (IU-L) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

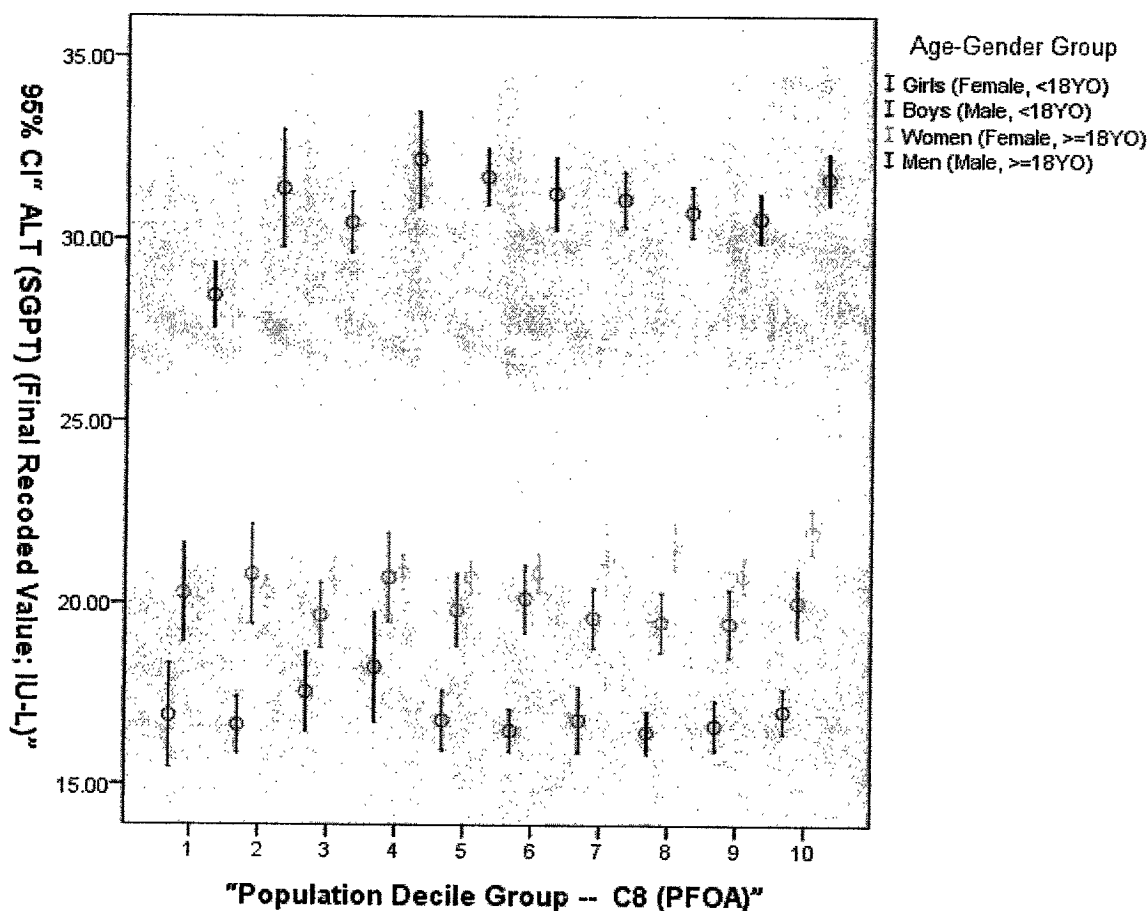


16

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and ALT (SGPT) (IU-L) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

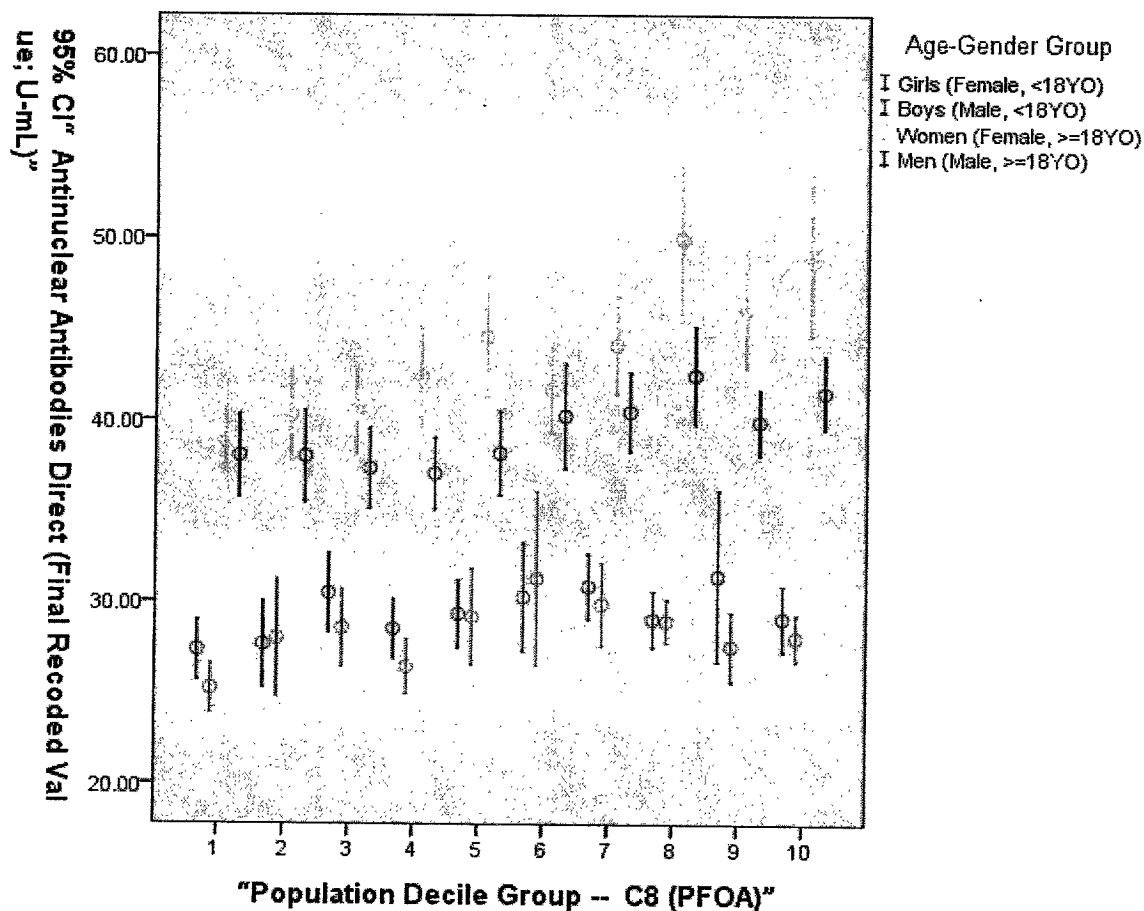


17

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Antinuclear Antibodies Direct (U-mL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



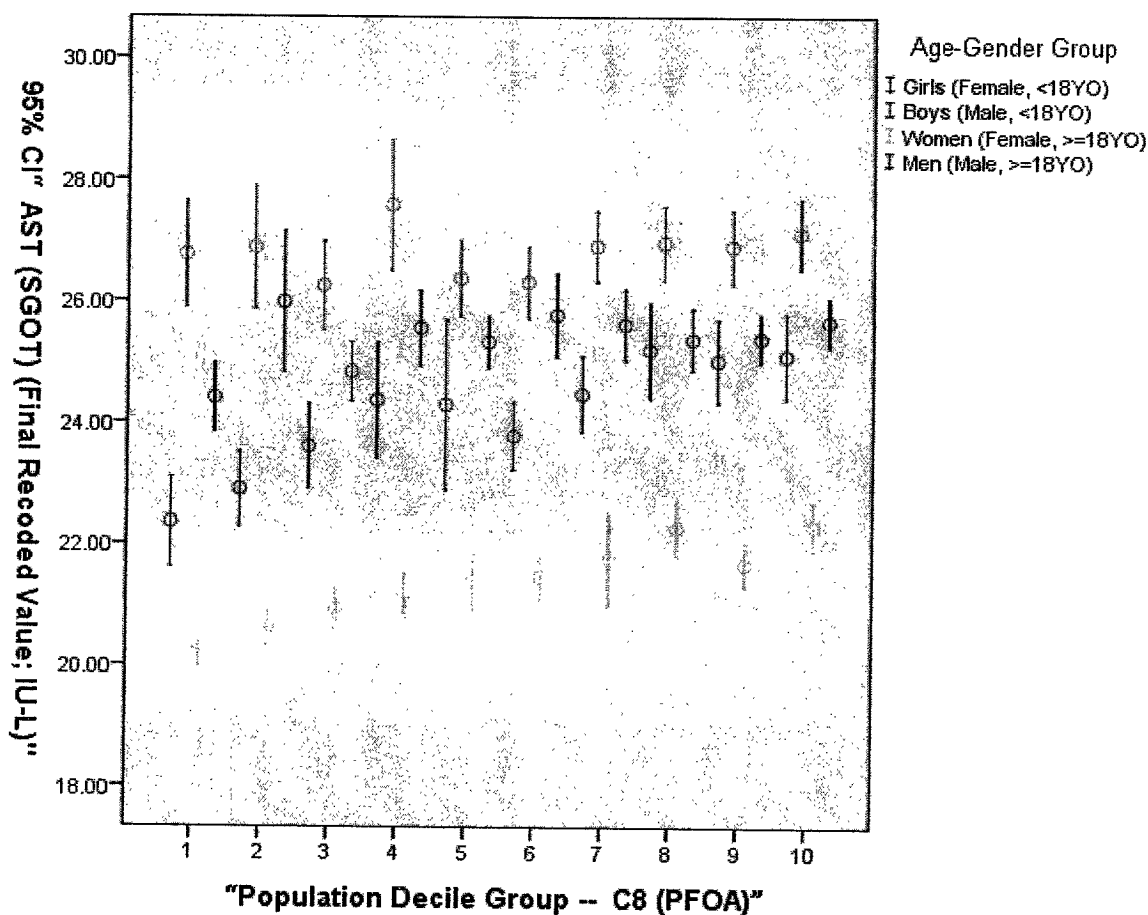
18

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and AST (SGOT) (IU-L)

Stratified by Age & Gender

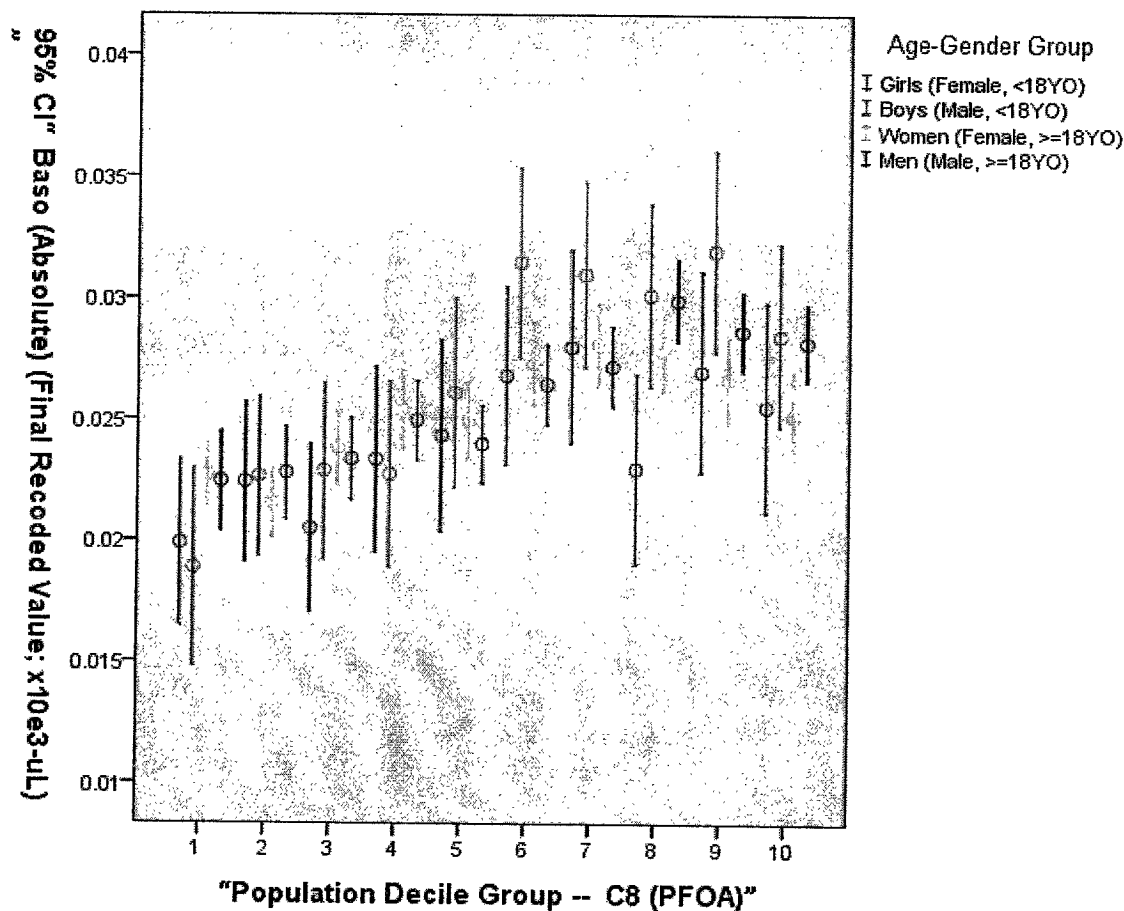
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Baso (Absolute) (x10e3-uL) Stratified by Age & Gender

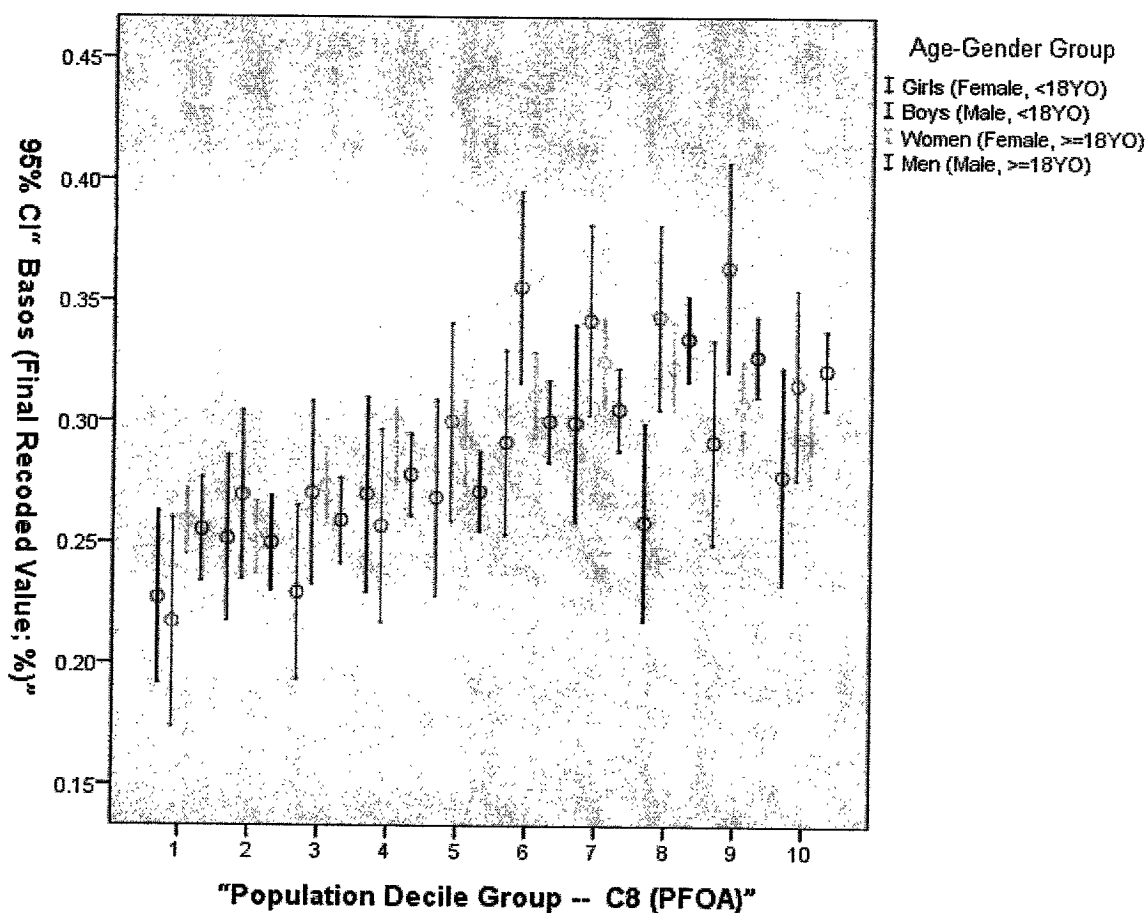
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Basos (%) Stratified by Age & Gender

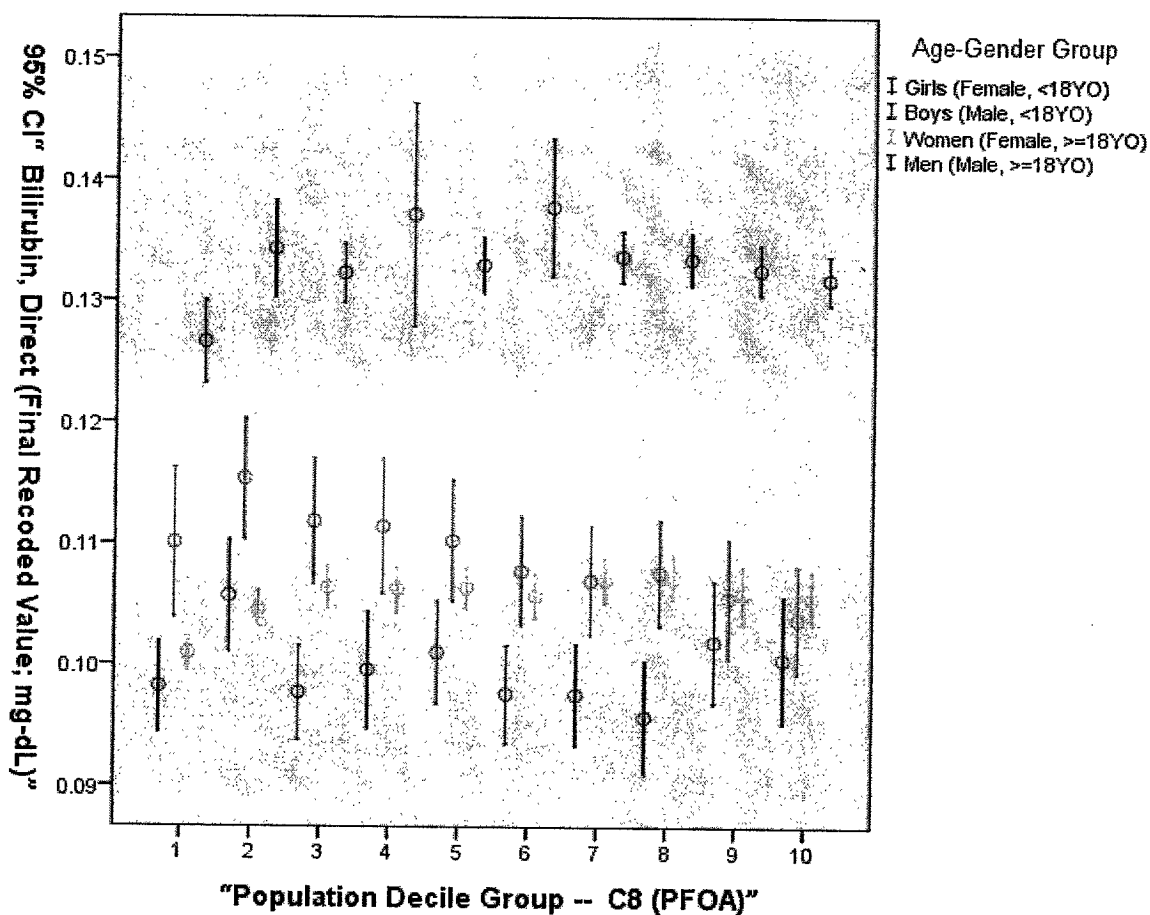
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Bilirubin, Direct (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

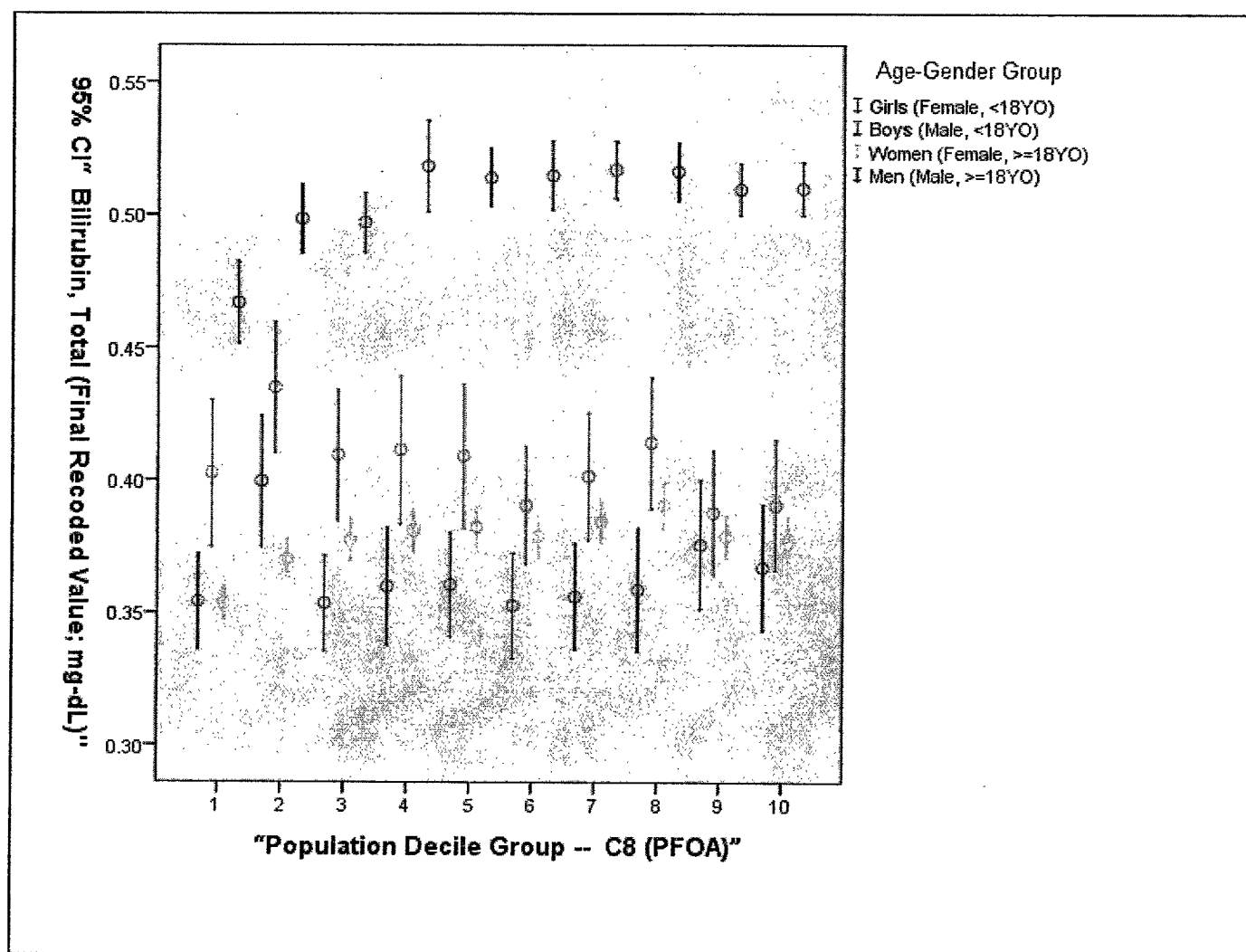


Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

22

Association Between C8 Deciles and Bilirubin, Total (mg-dL) Stratified by Age & Gender

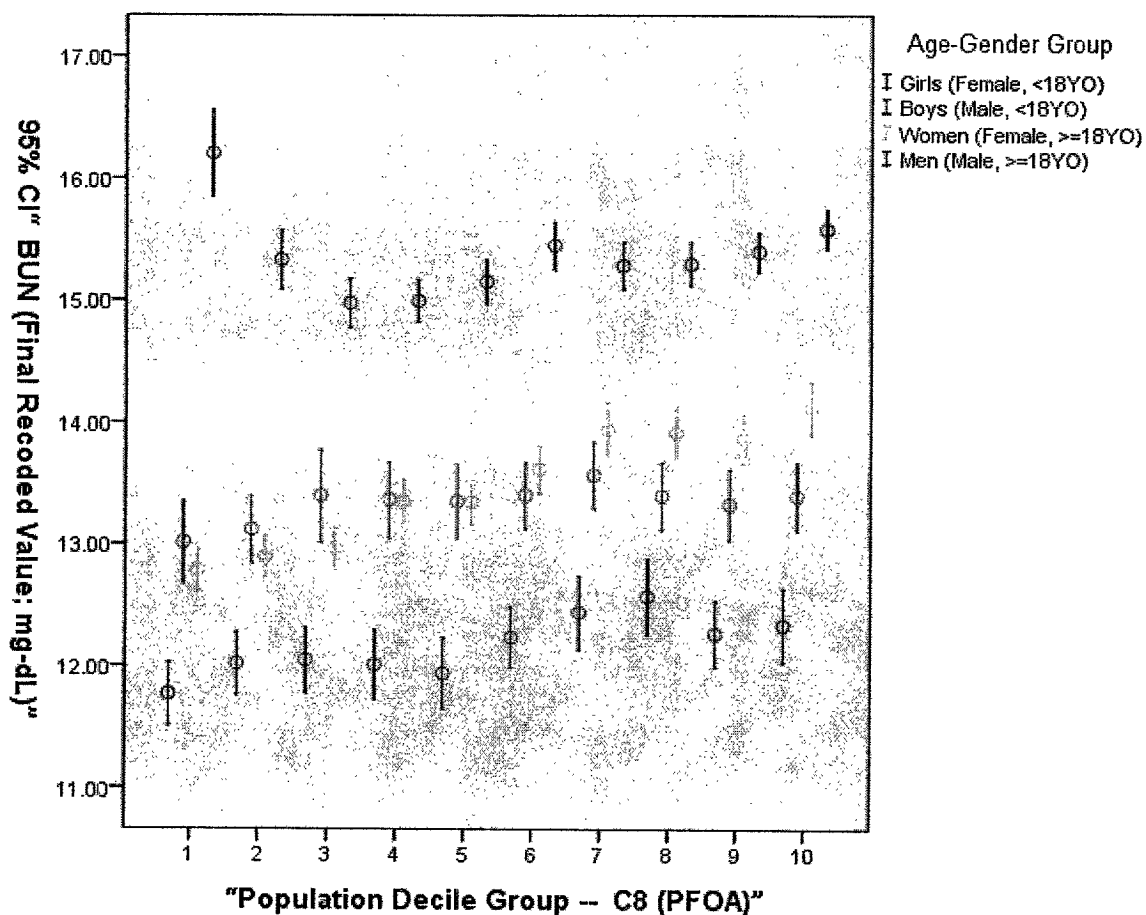
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and BUN (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

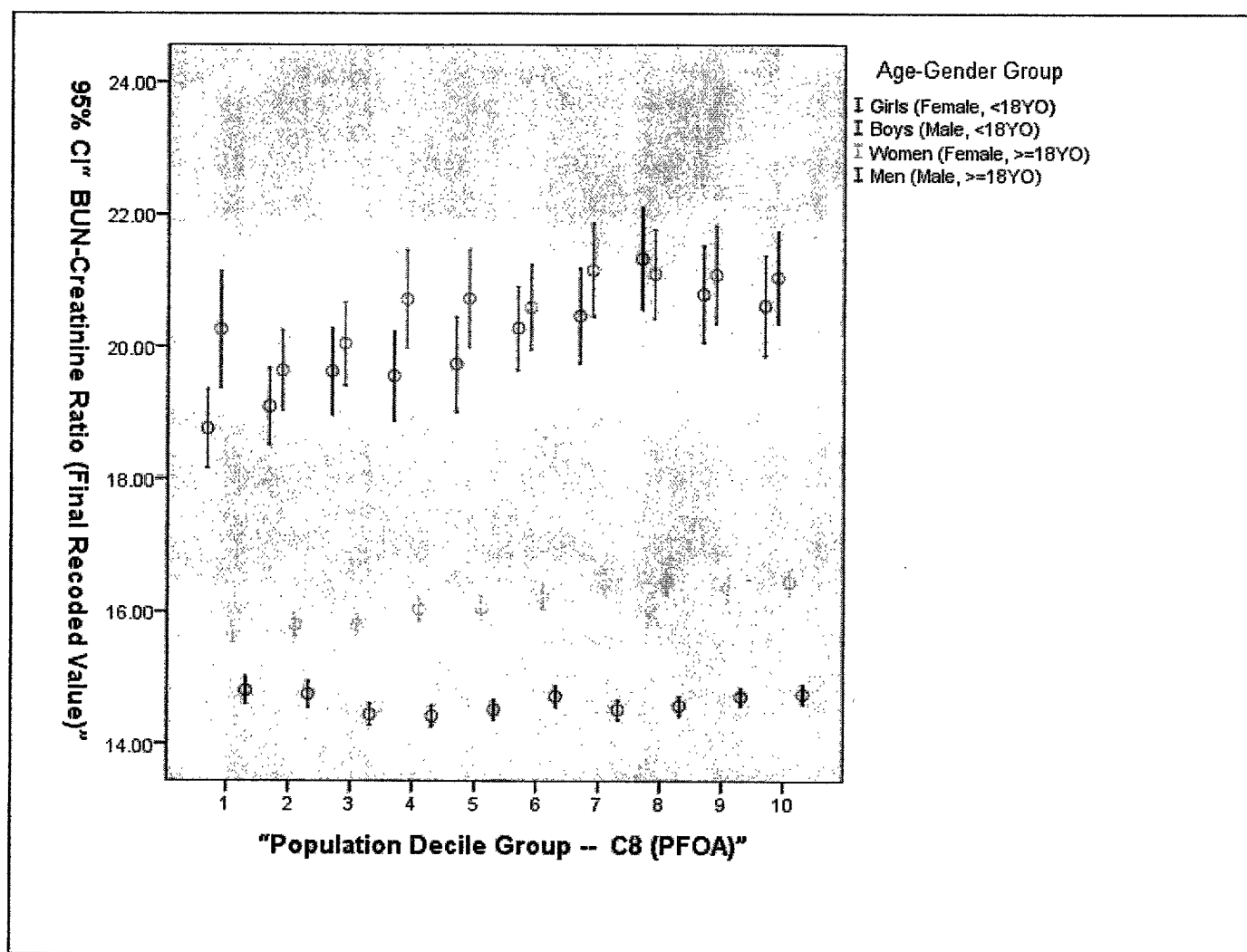


Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

24

Association Between C8 Deciles and BUN-Creatinine Ratio Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

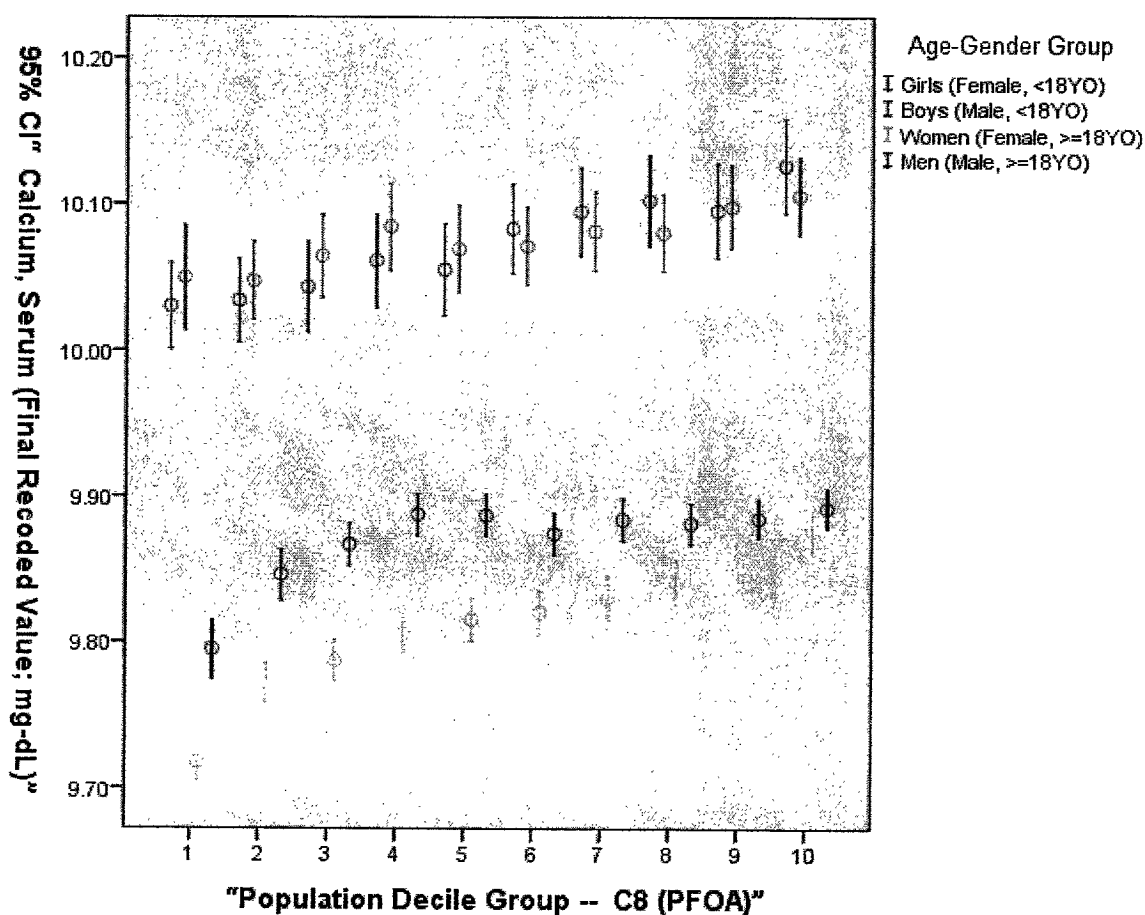


Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

25

Association Between C8 Deciles and Calcium, Serum (mg-dL) Stratified by Age & Gender

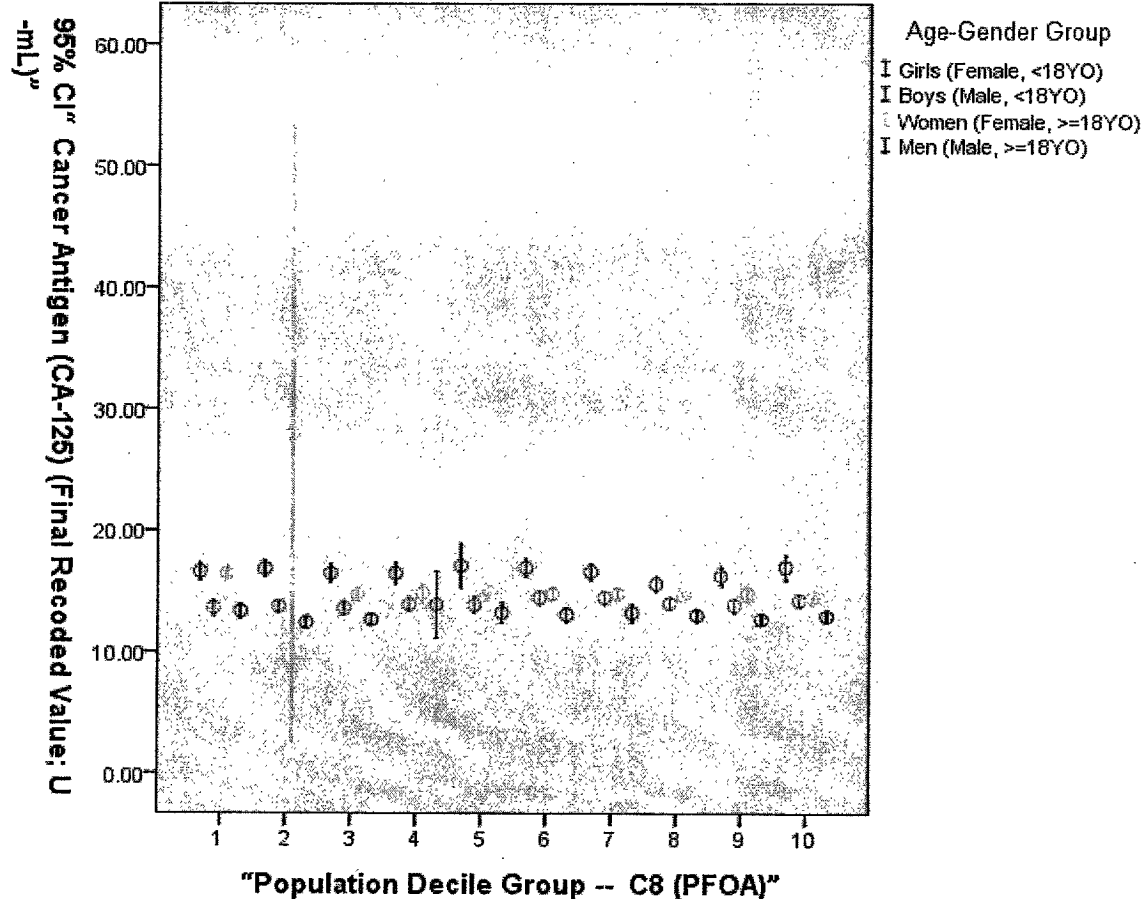
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Cancer Antigen (CA-125) (U/mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

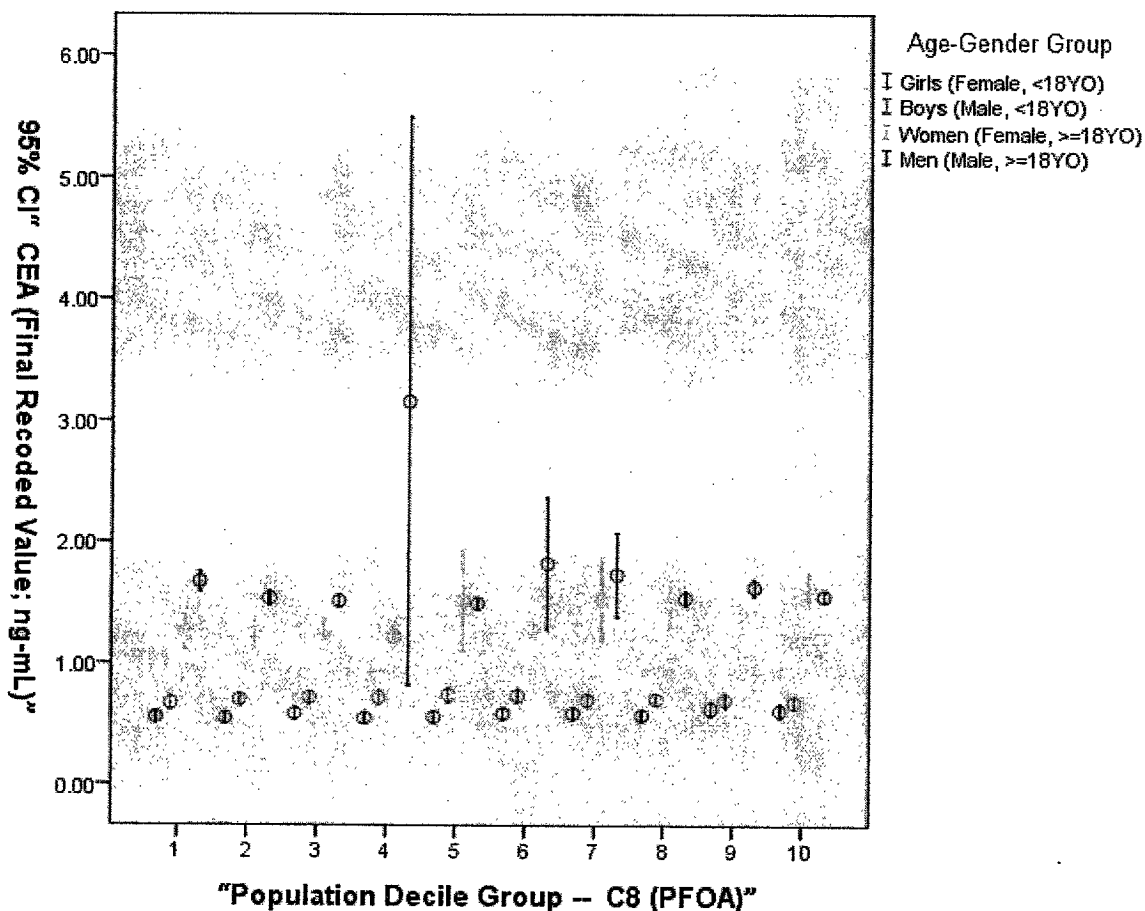


27

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and CEA (ng-mL) Stratified by Age & Gender

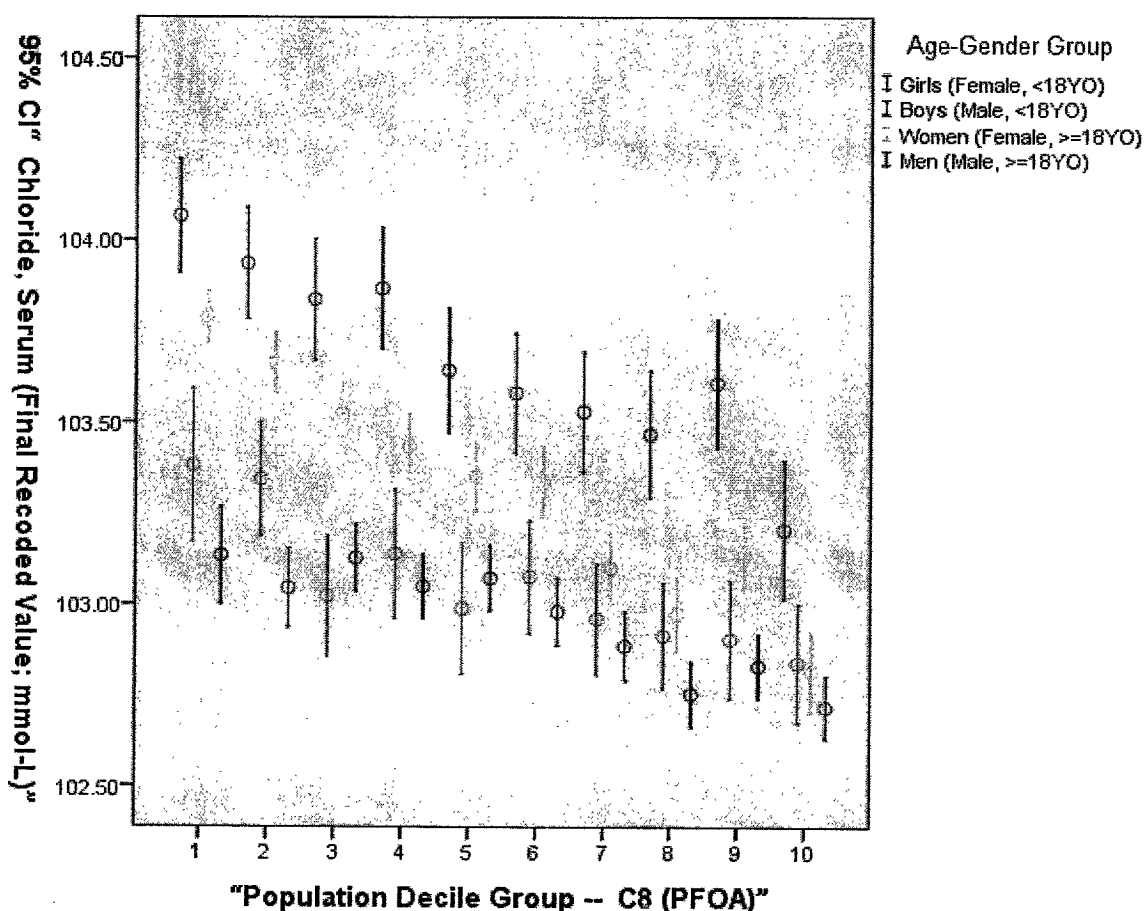
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Chloride, Serum (mmol-L) Stratified by Age & Gender

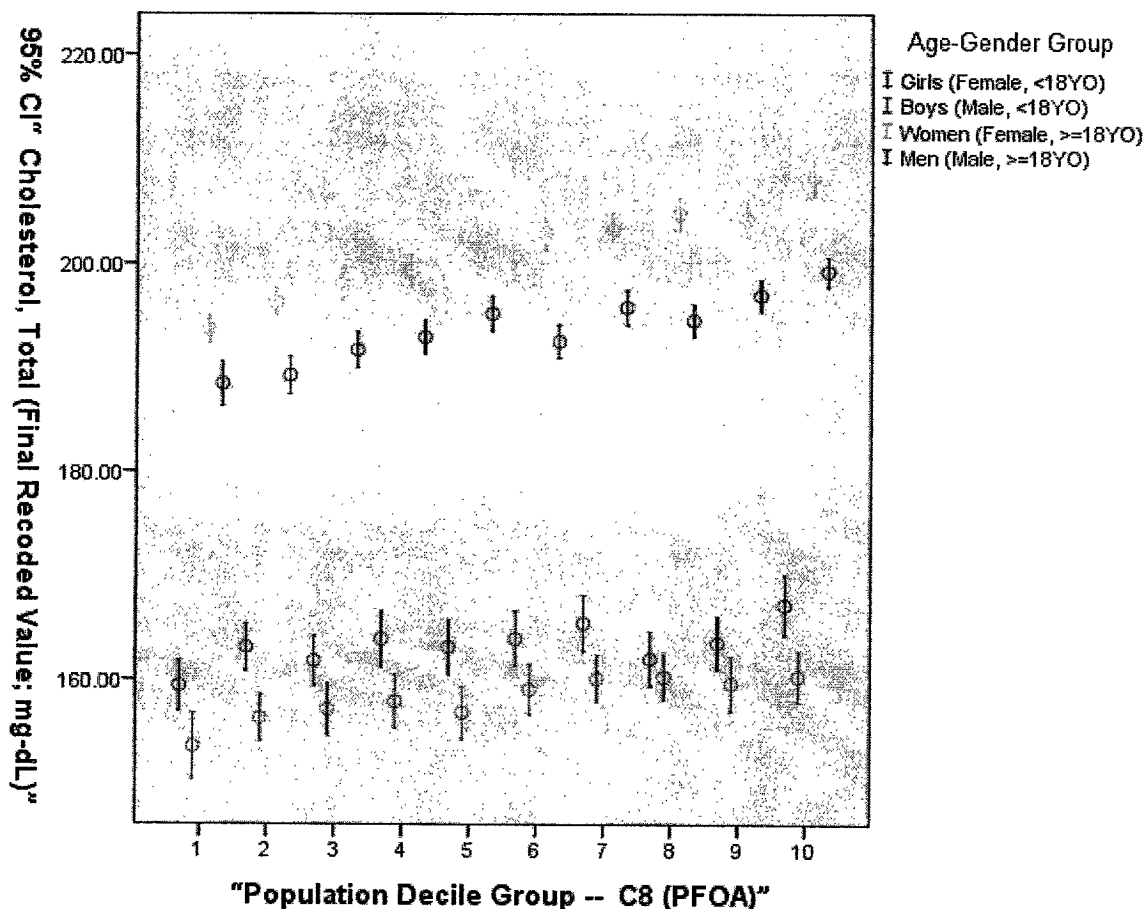
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Cholesterol, Total (mg-dL) Stratified by Age & Gender

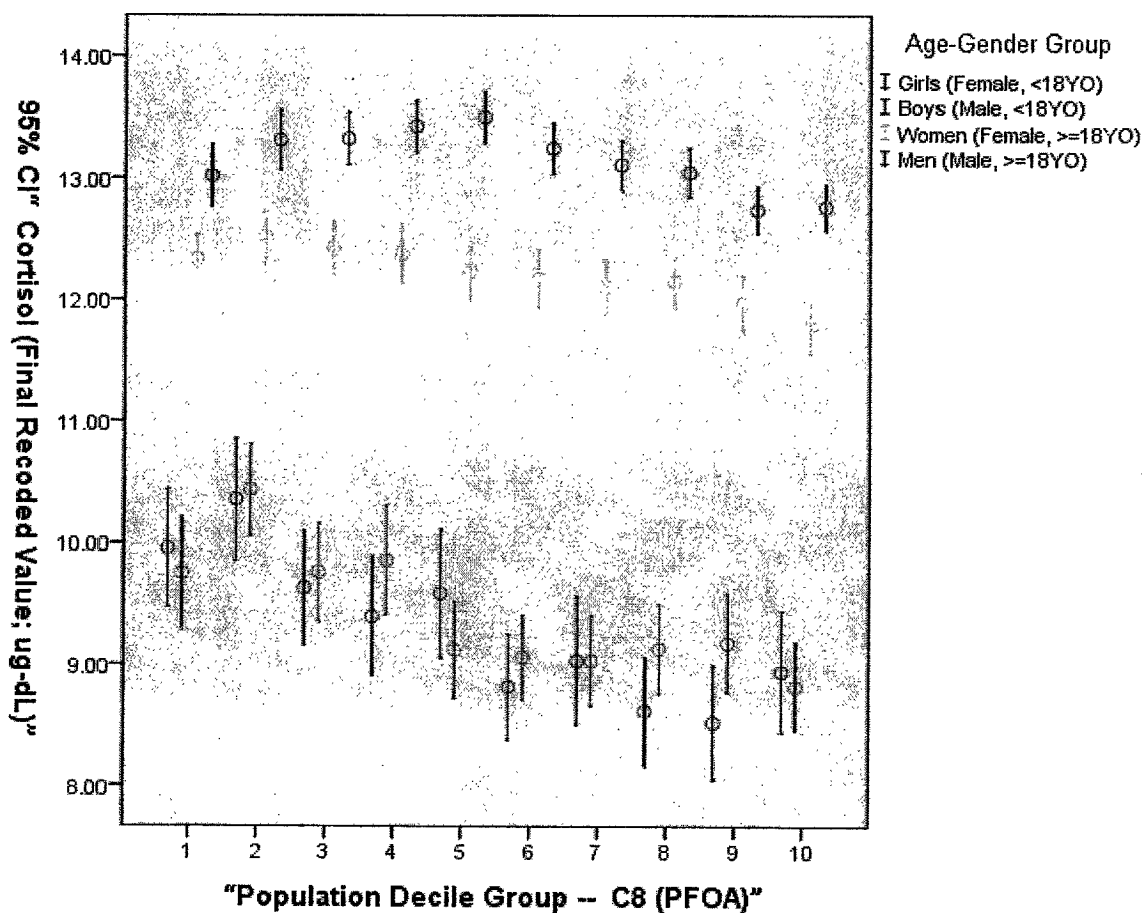
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Cortisol (ug-dL) Stratified by Age & Gender

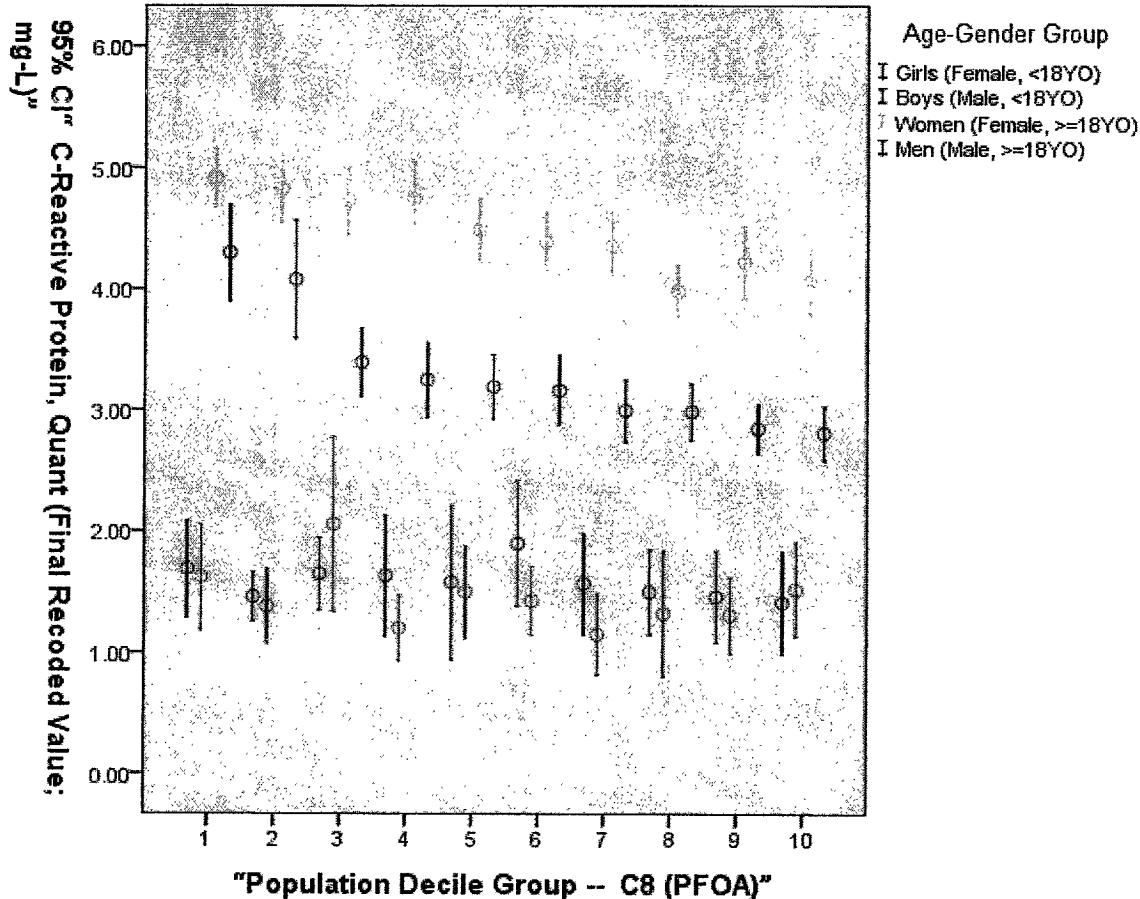
NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and C-Reactive Protein, Quant (mg-L) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

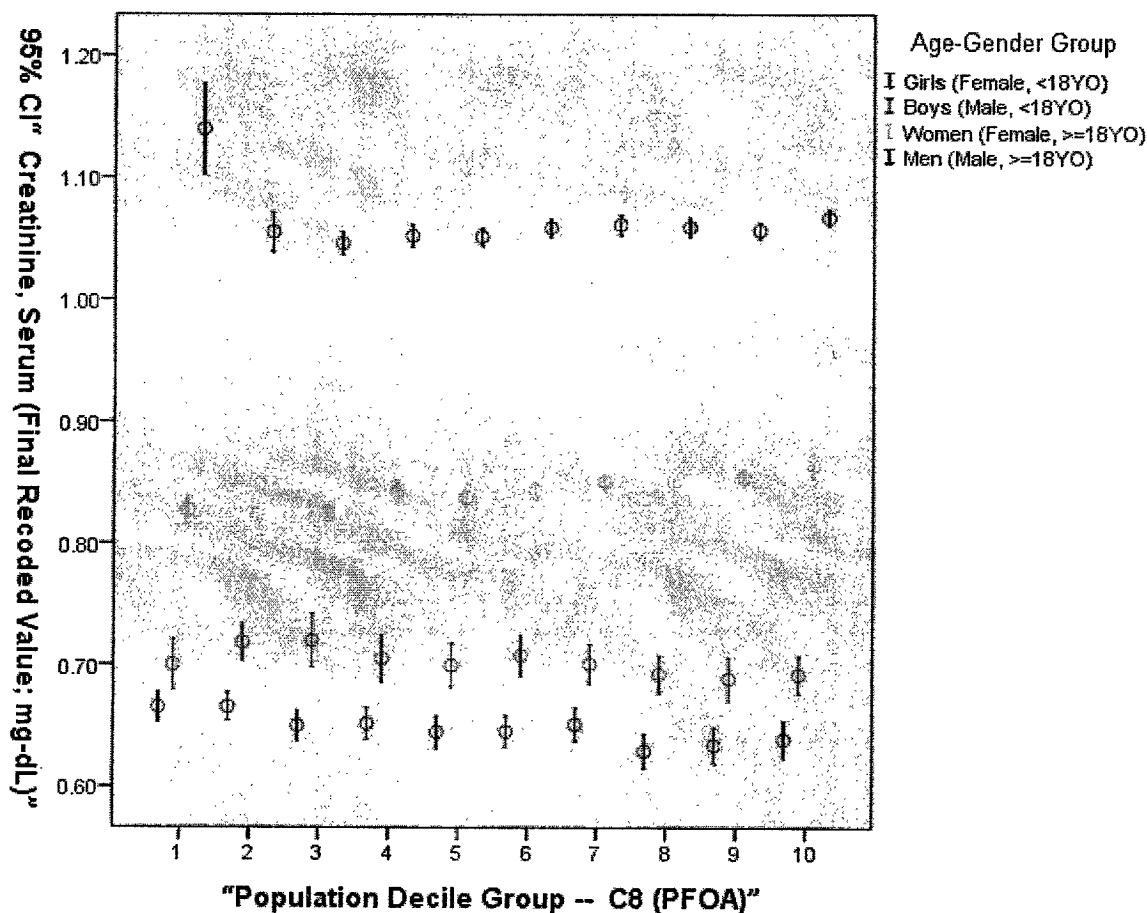


32

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Creatinine, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



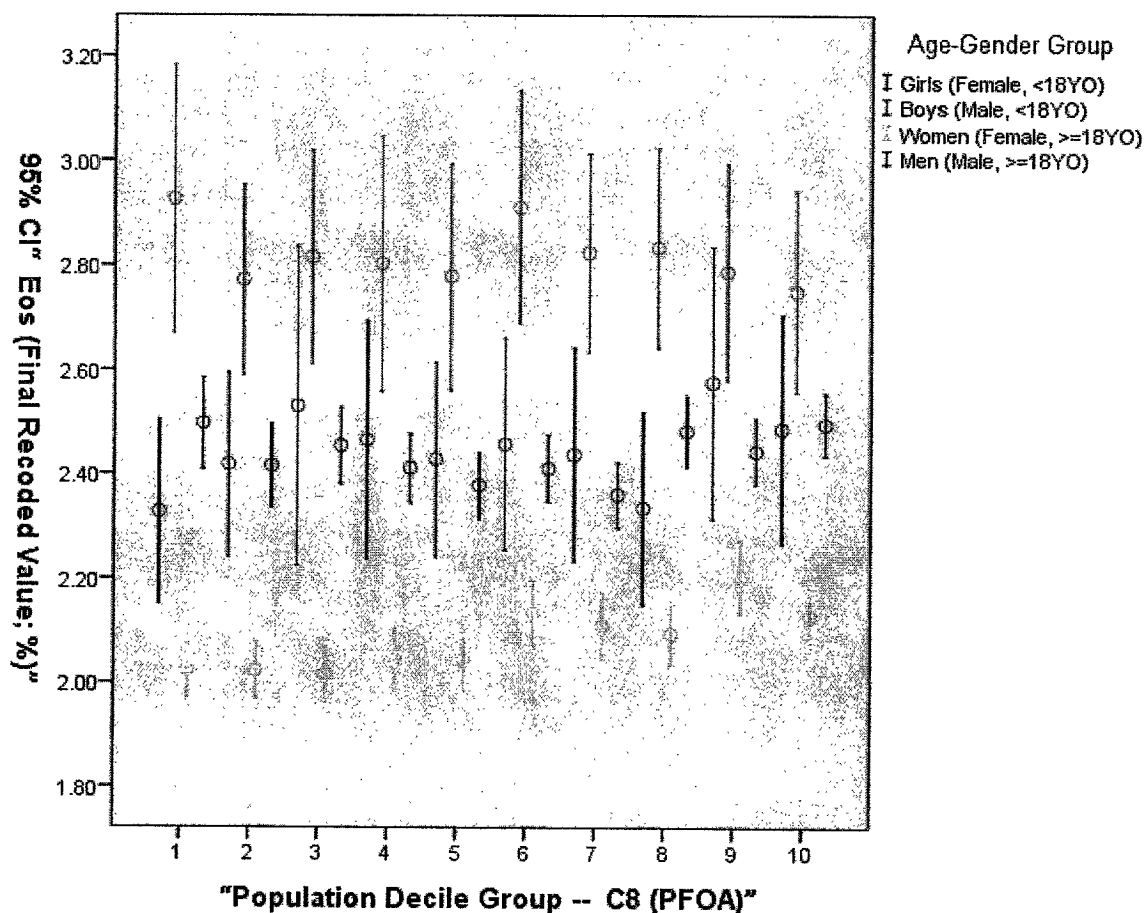
33

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and EOS (%)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

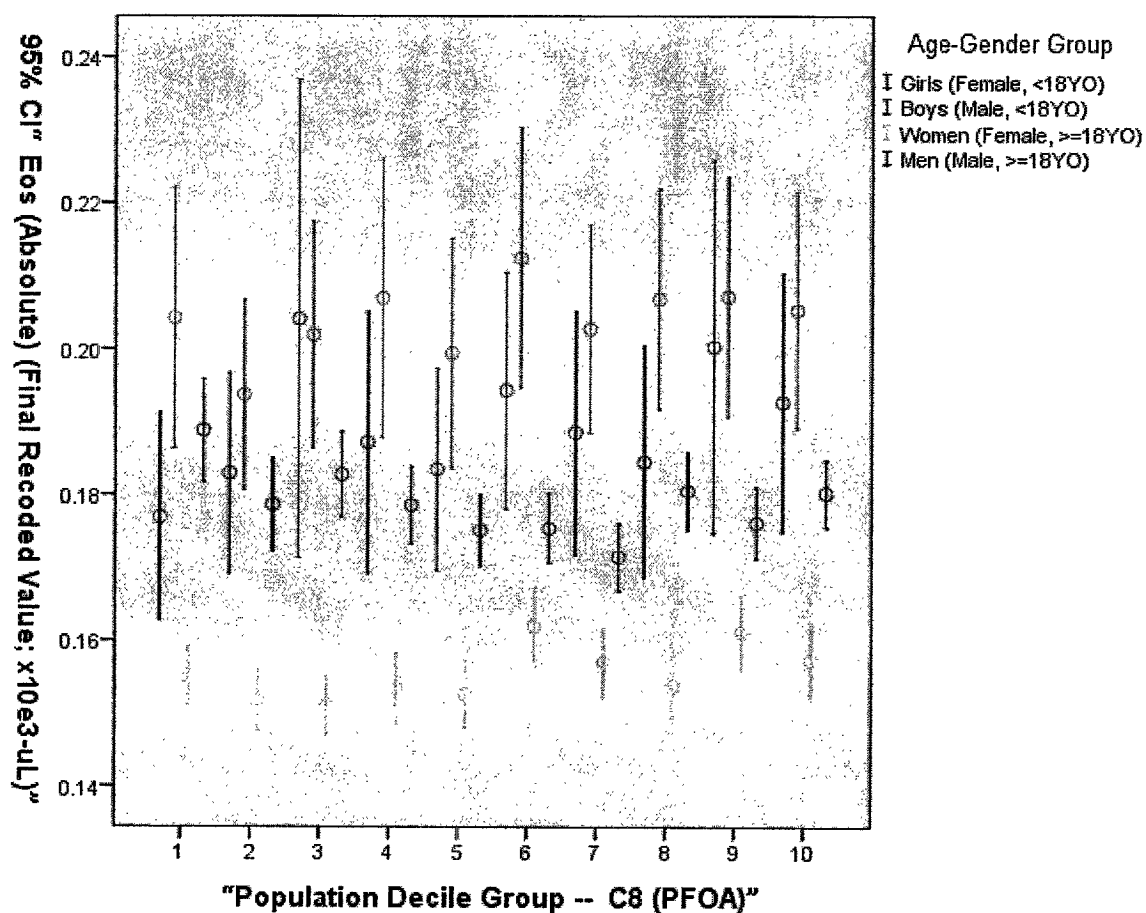


34

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and EOS (Absolute) (x10e3-uL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

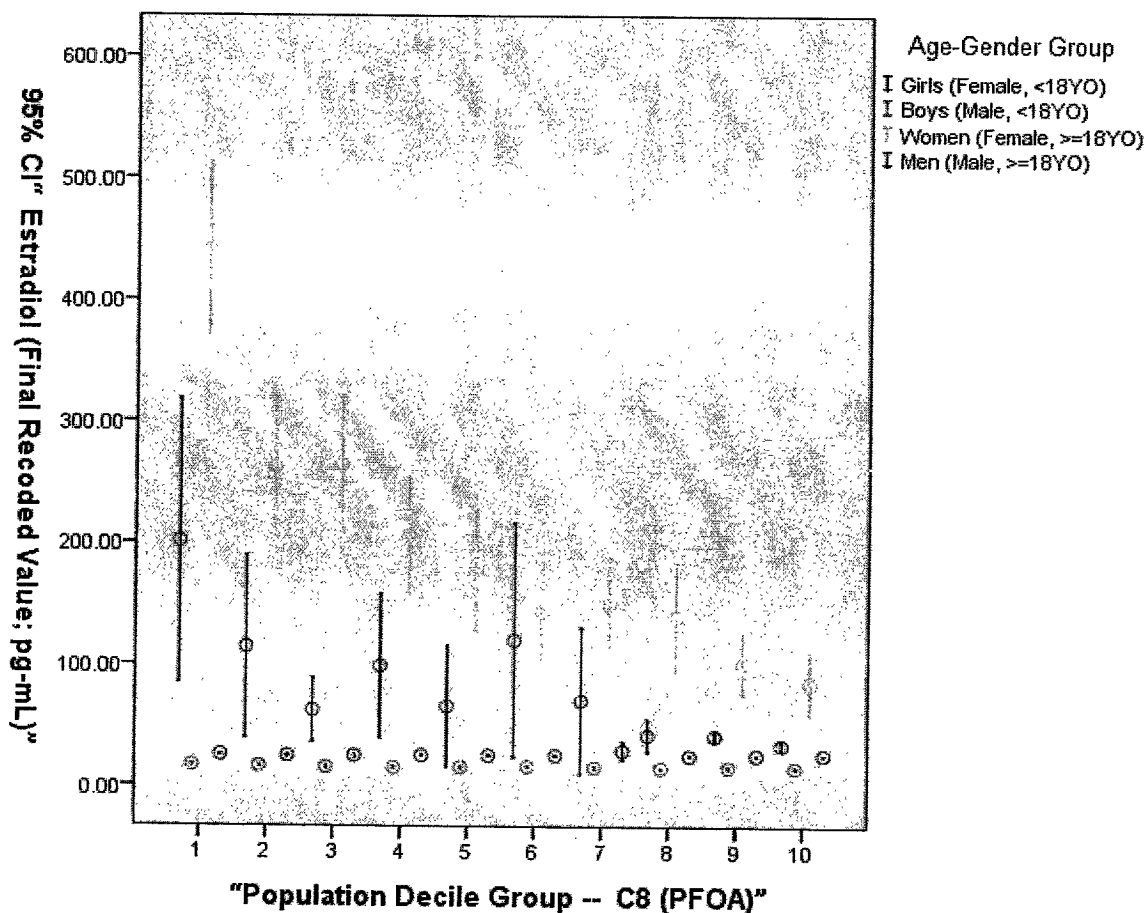


35

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Estradiol (pg-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

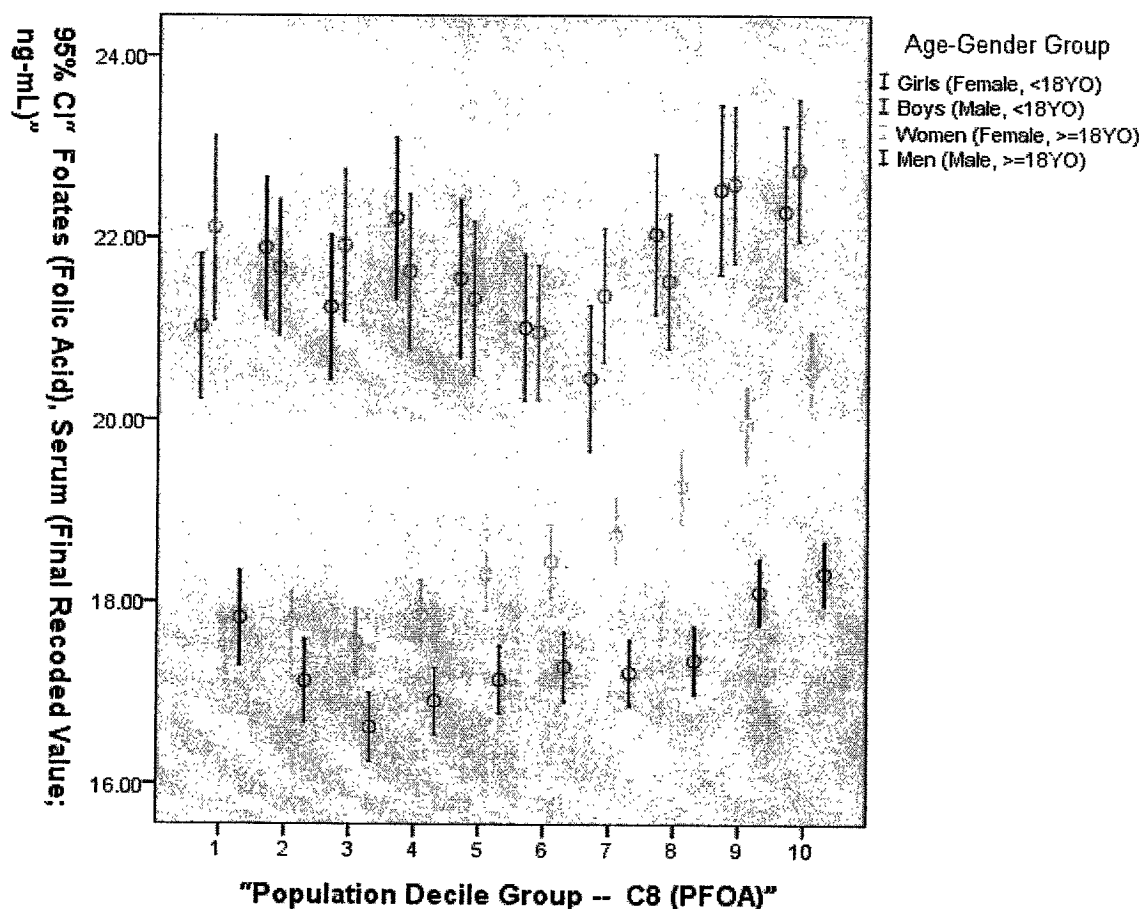


36

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Folates (Folic Acid), Serum (ng-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

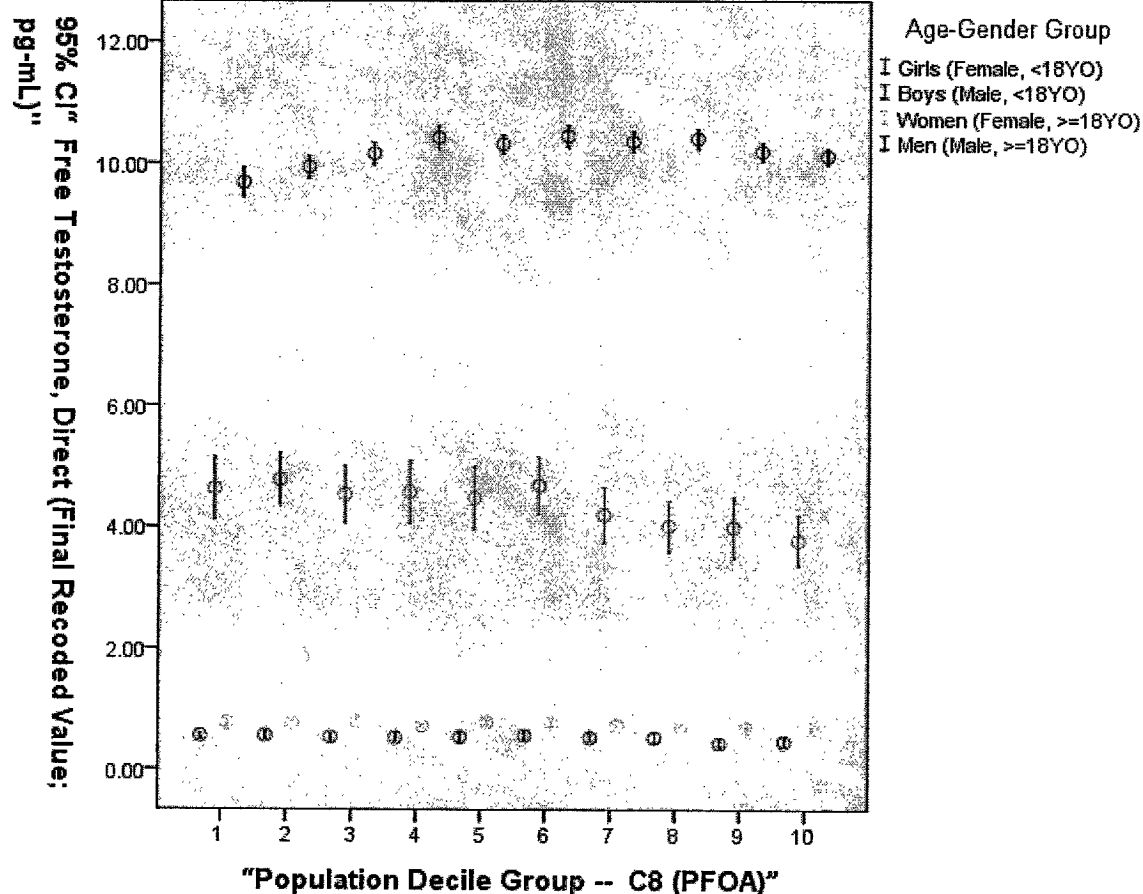


37

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Free Testosterone, Direct (pg-mL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

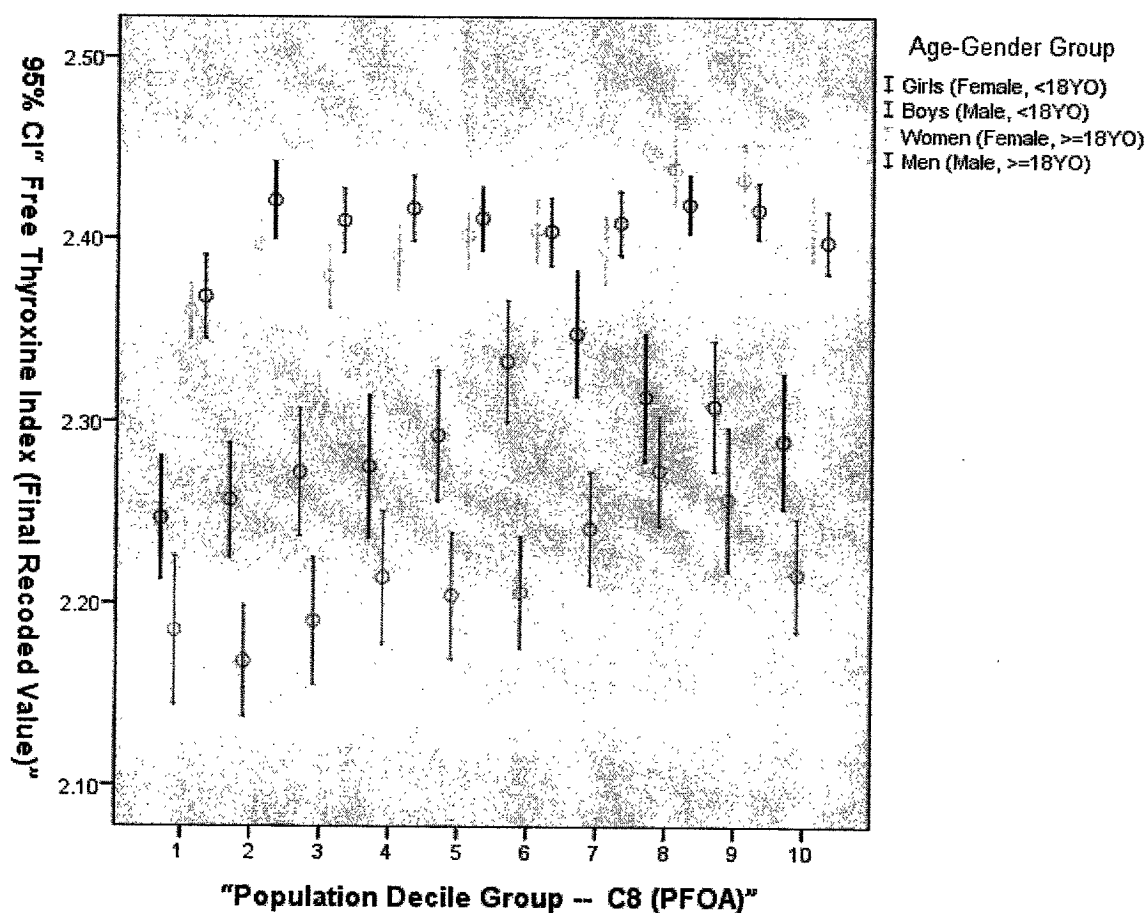


38

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Free Thyroxine Index Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



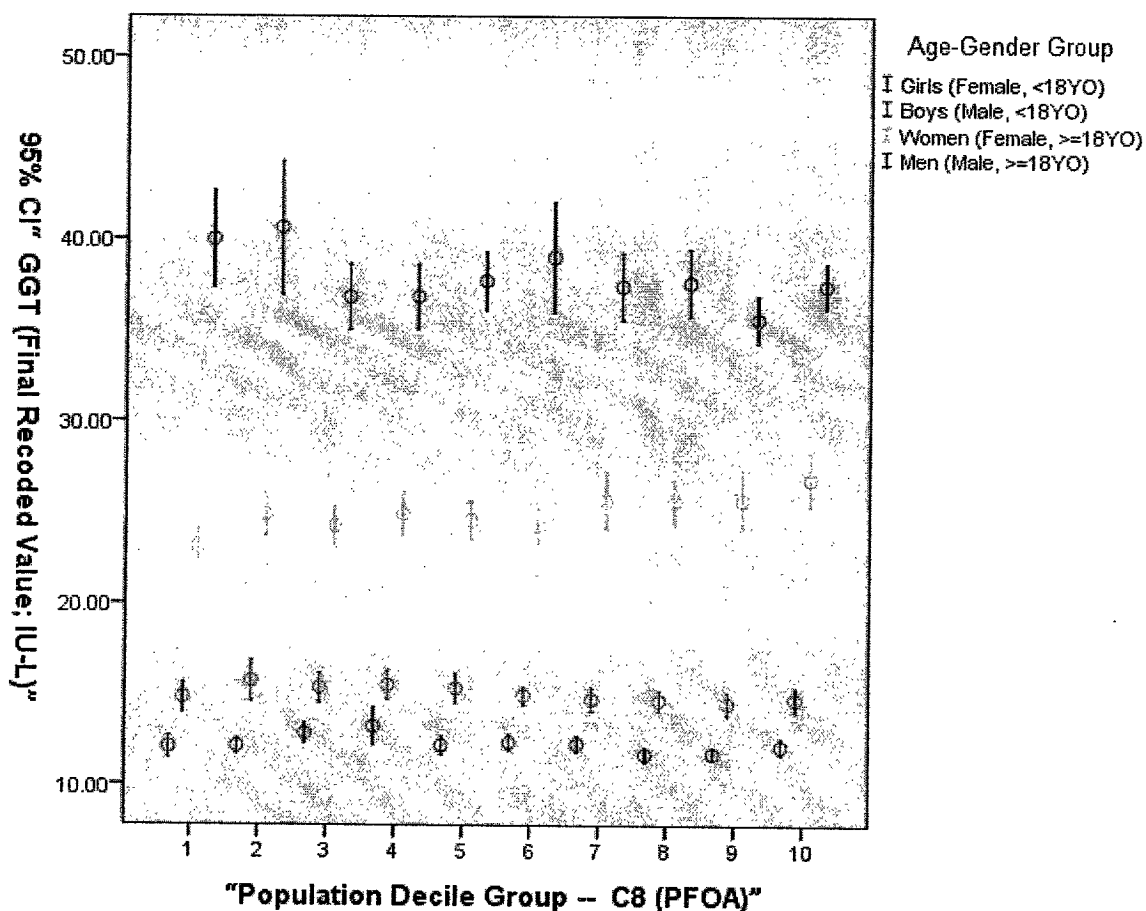
39

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and GGT (IU-L)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

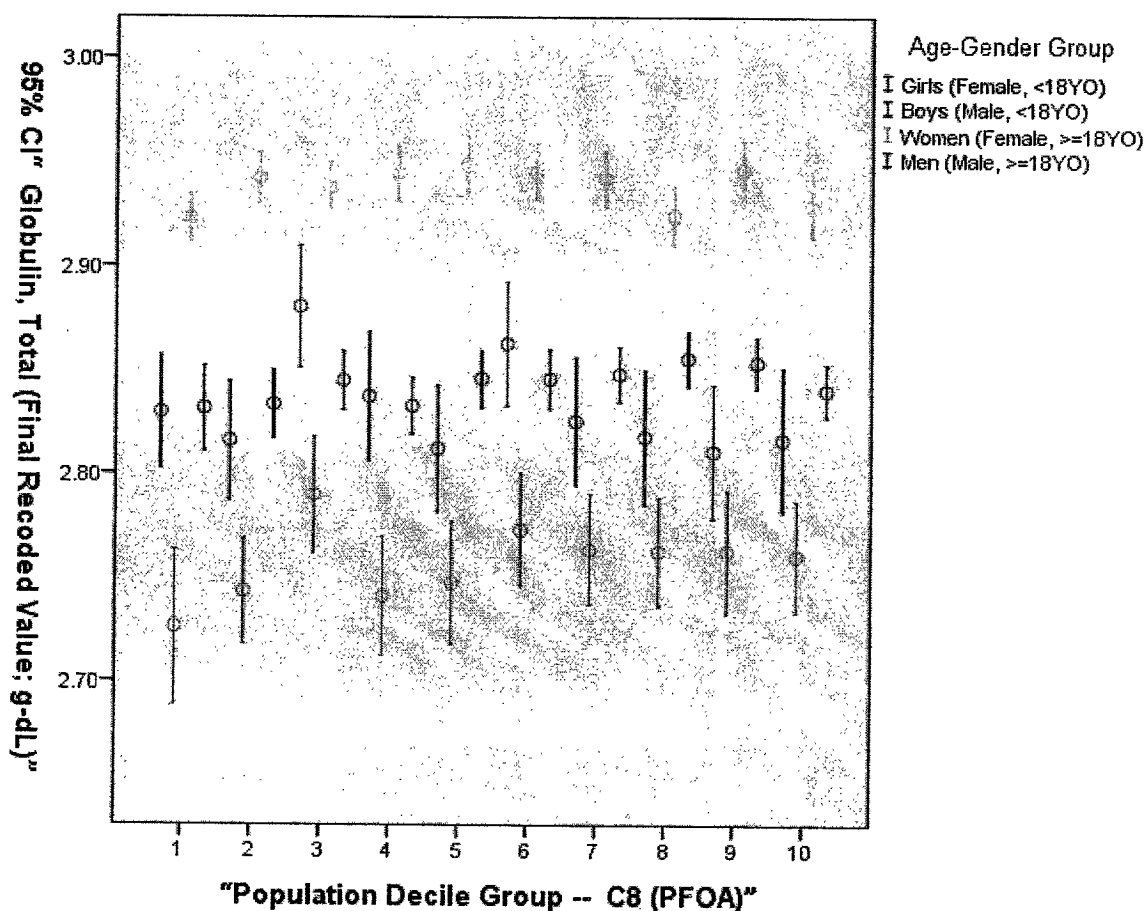


440

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Globulin, Total (g-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

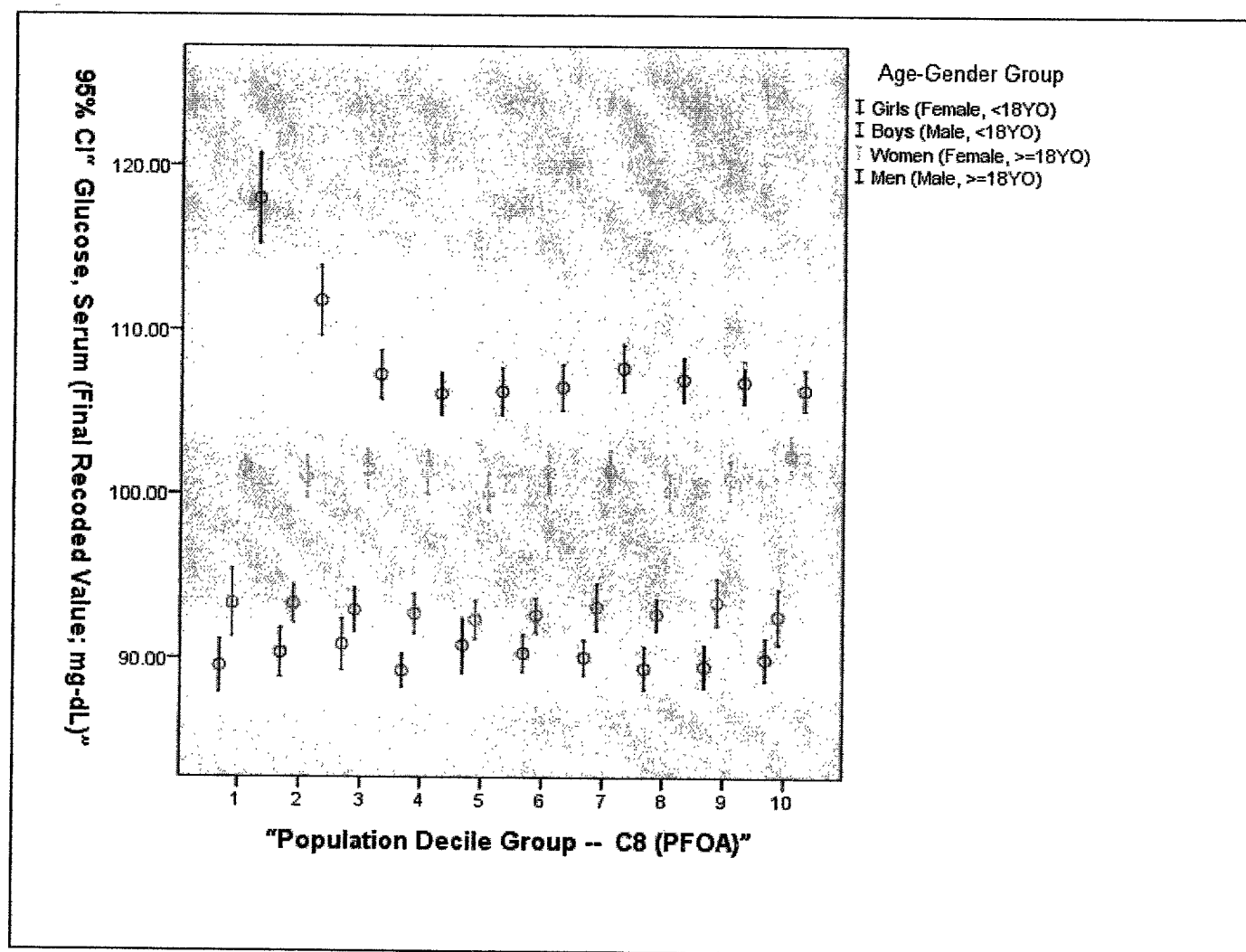


41

analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Glucose, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

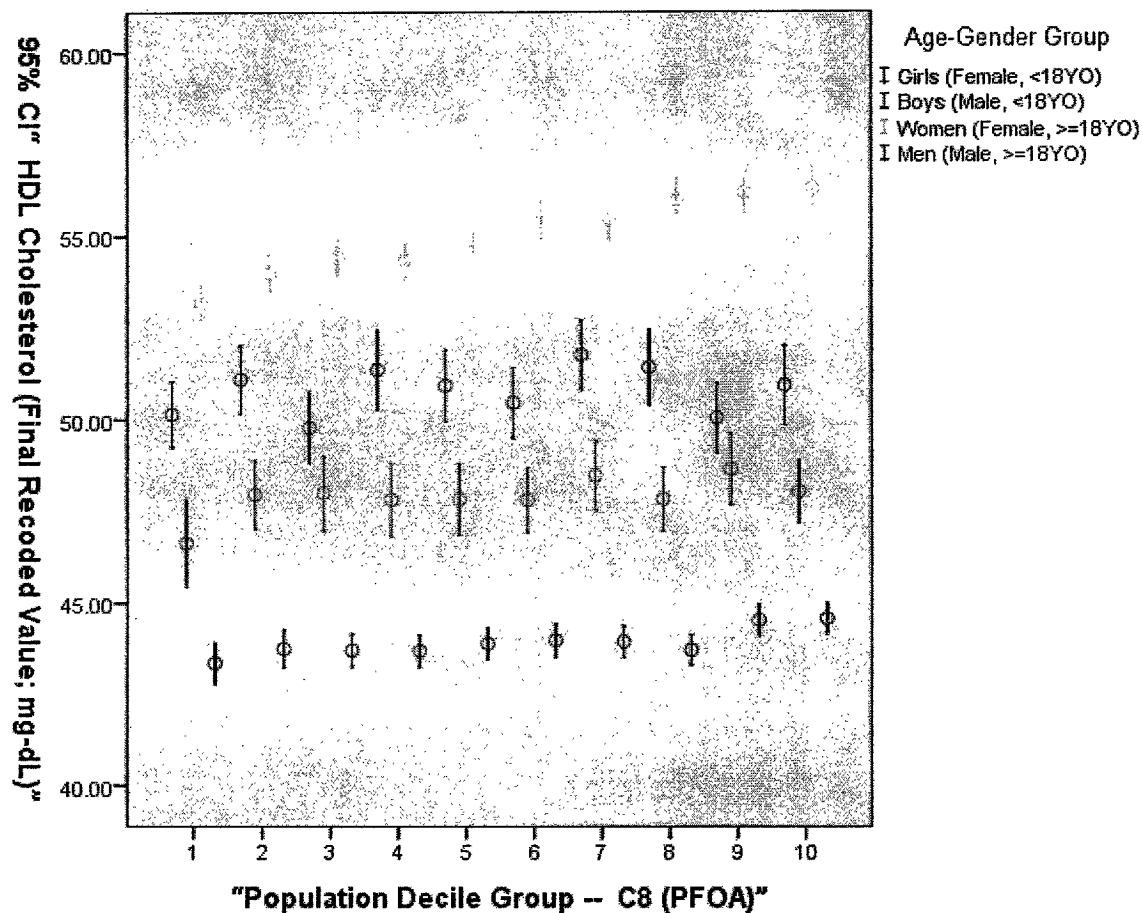


42

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and HDL Cholesterol (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



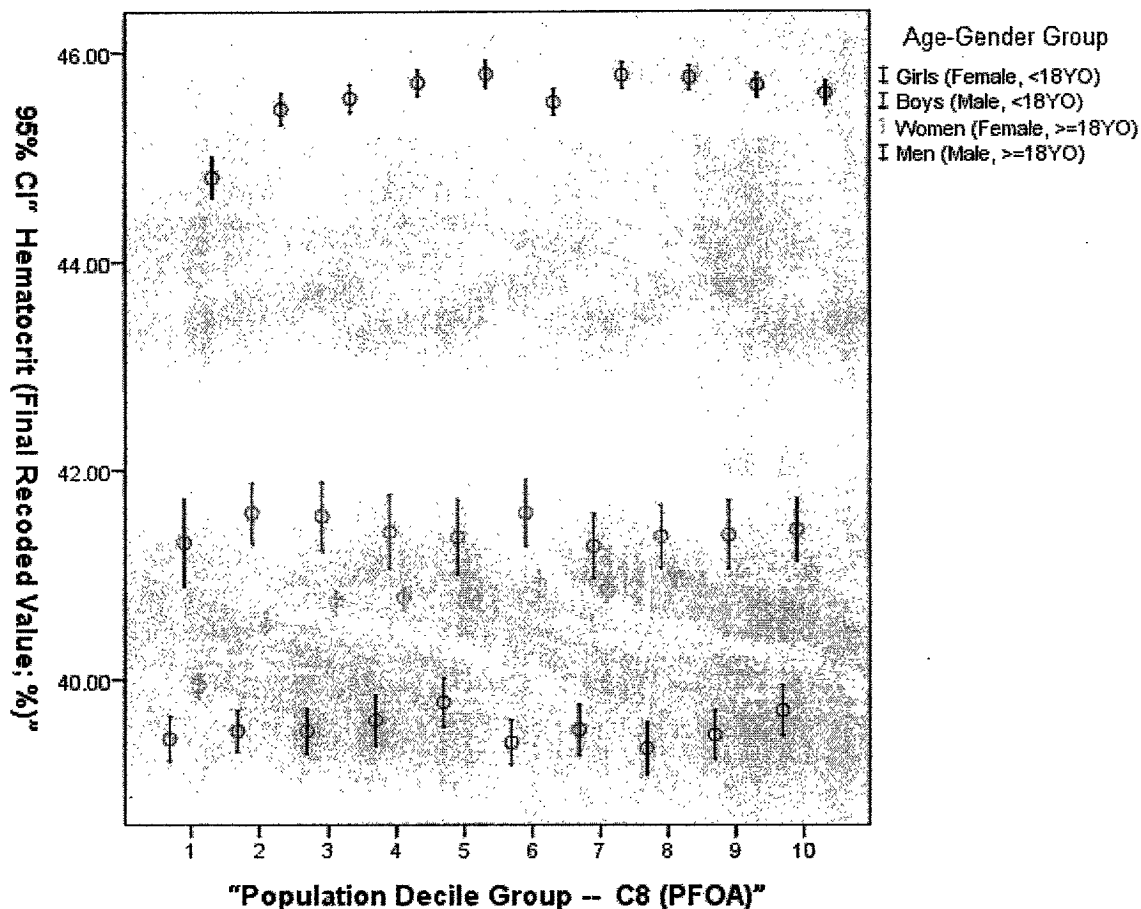
43

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Hematocrit (%)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

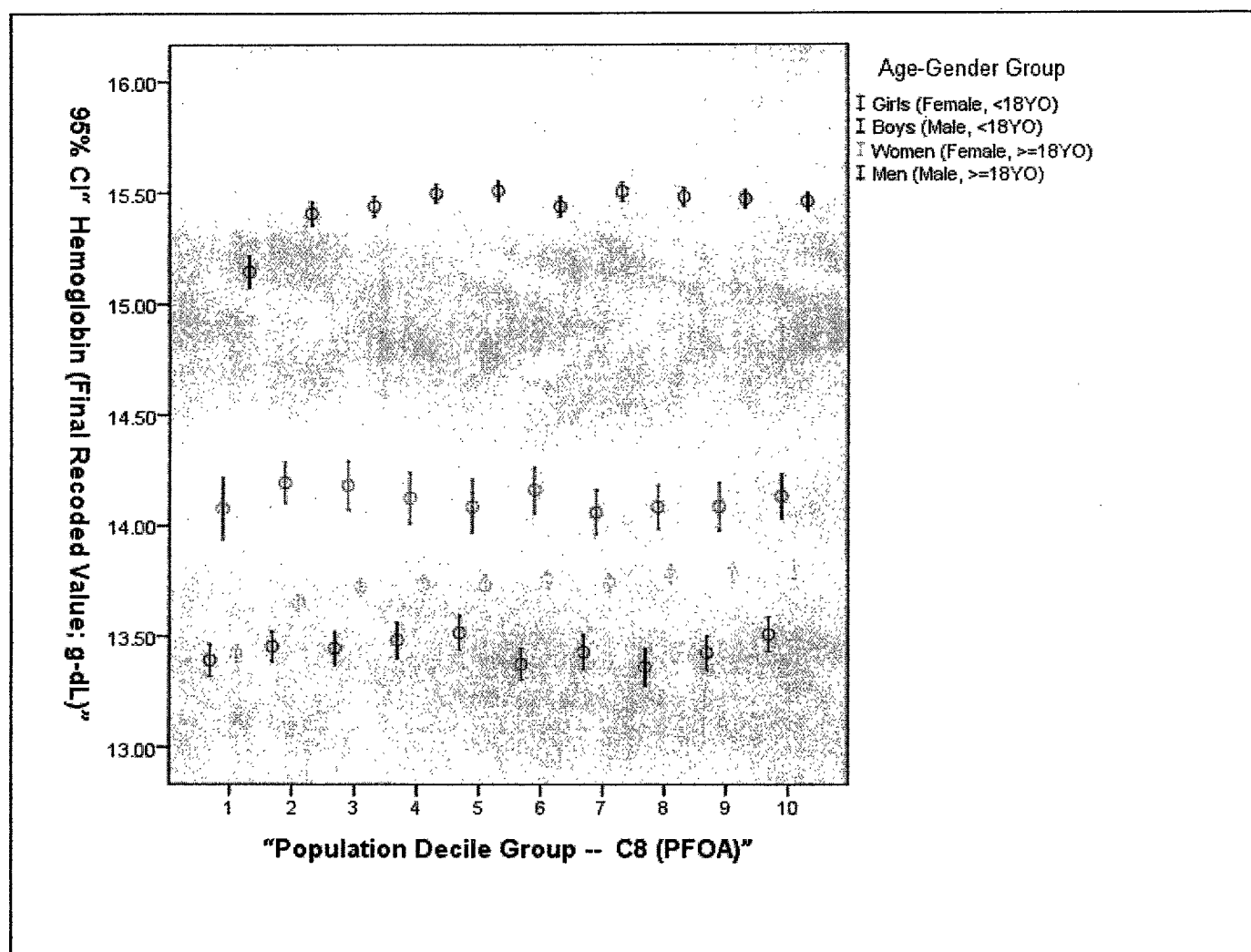


44

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Hemoglobin (g-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

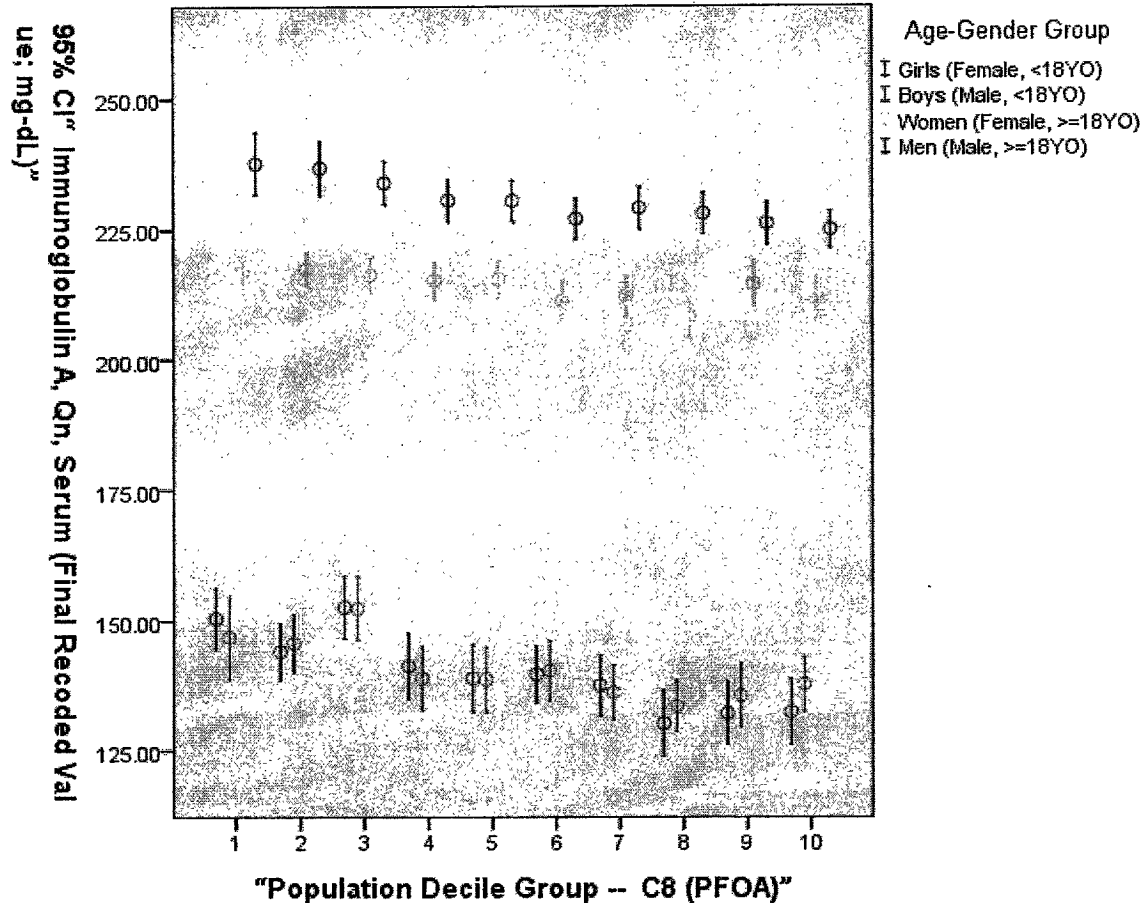


45

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Immunoglobulin A, Qn, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

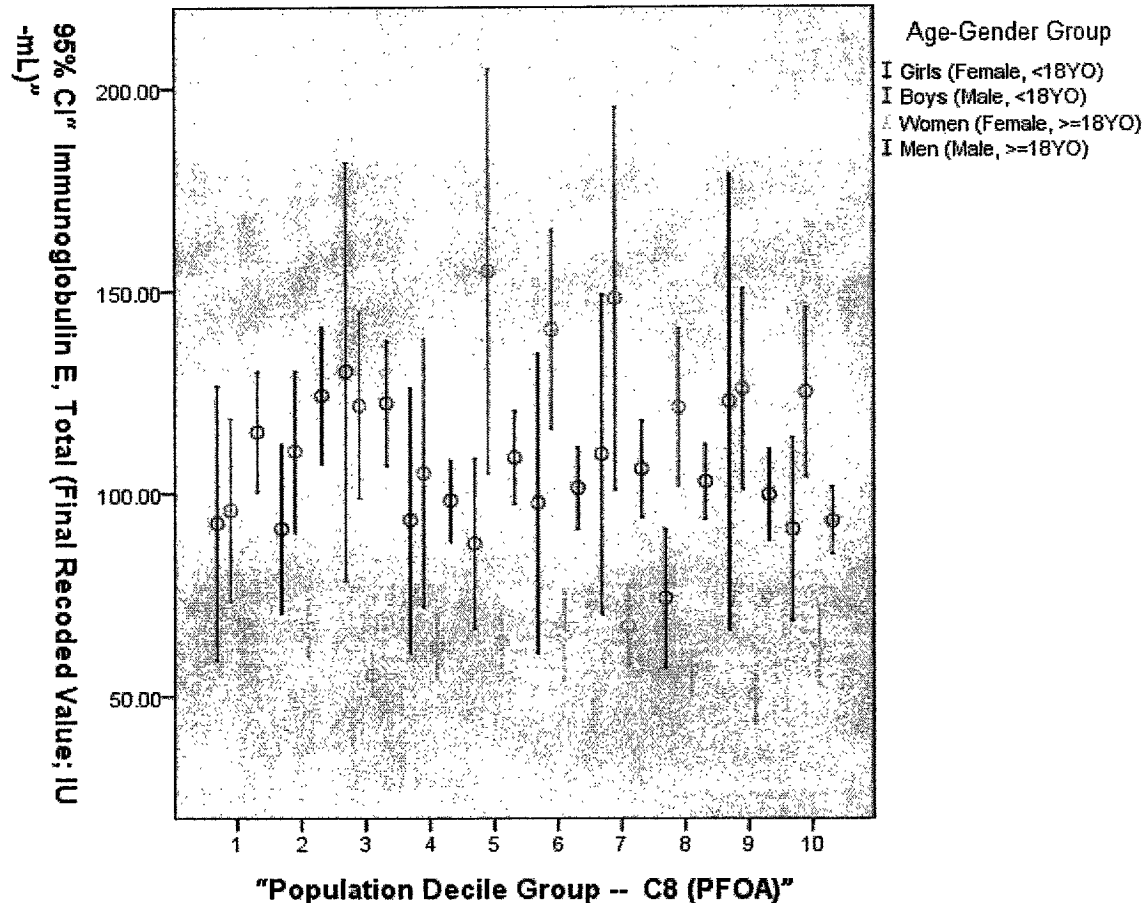


46

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Immunoglobulin E, Total (IU/mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

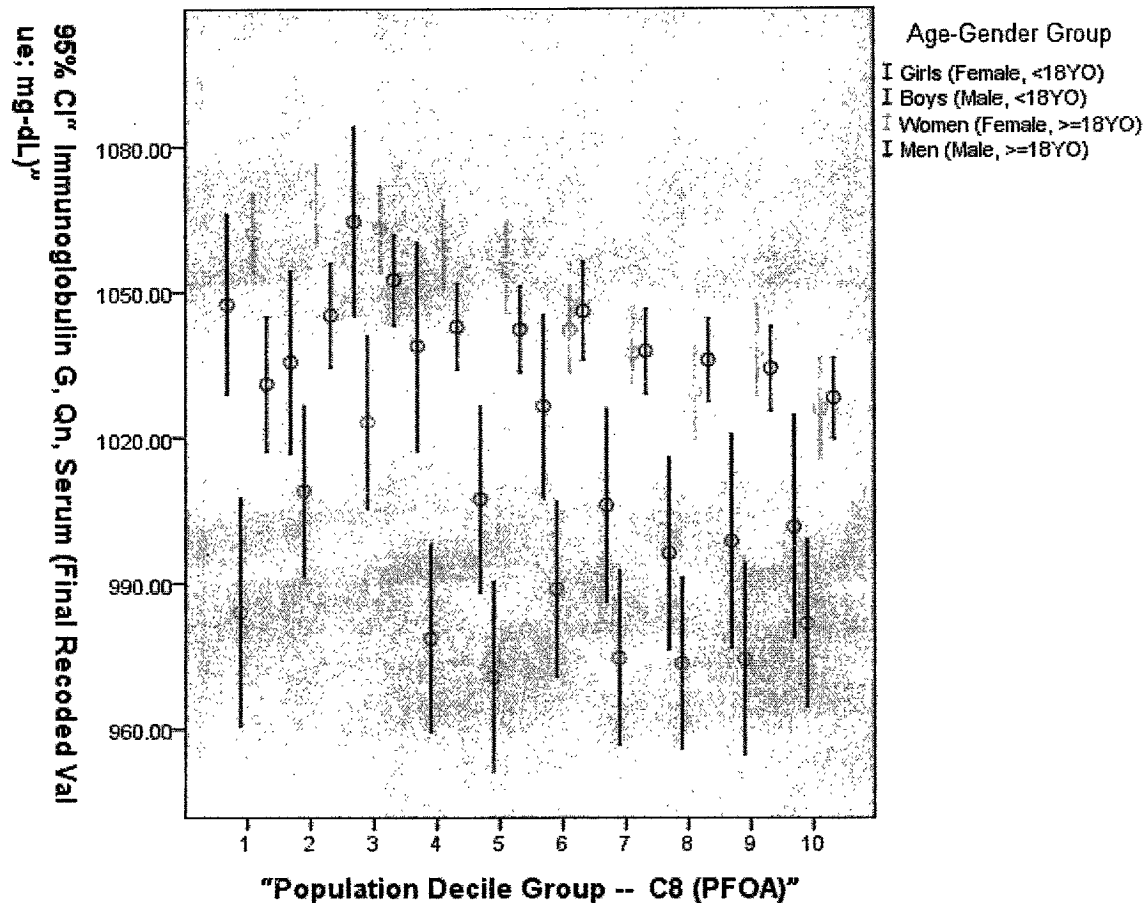


47

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Immunoglobulin G, Qn, Serum (mg-dL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

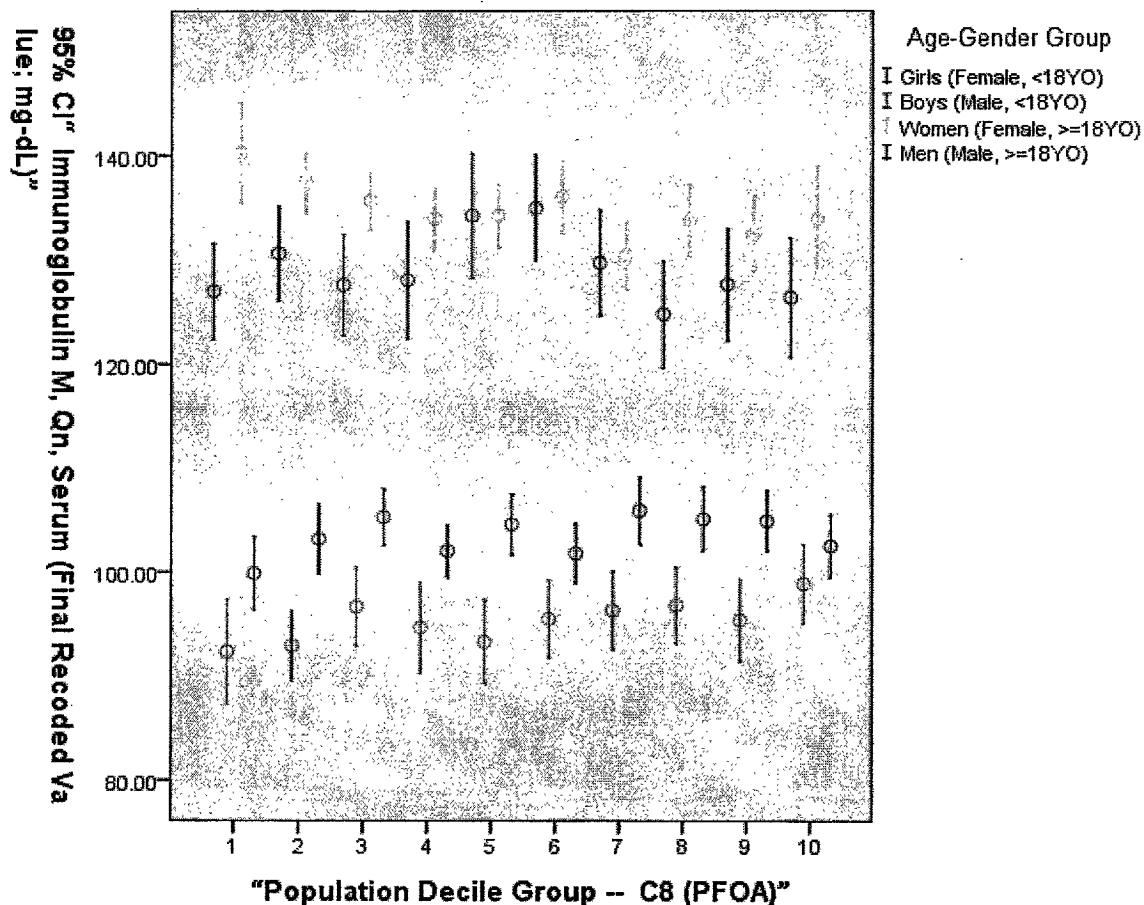


48

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Immunoglobulin M, Qn, Serum (mg-dL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

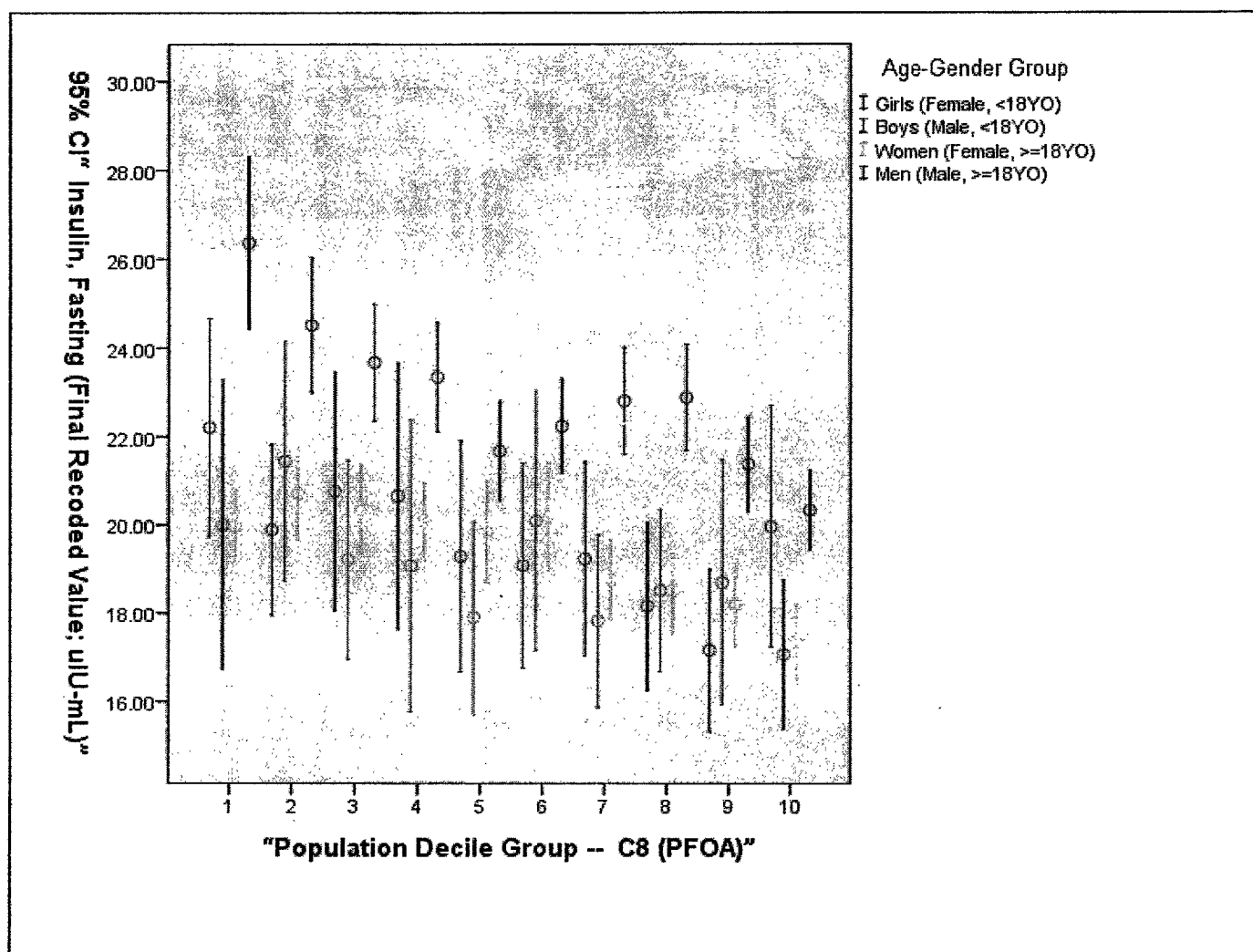


49

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Insulin, Fasting (uIU-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

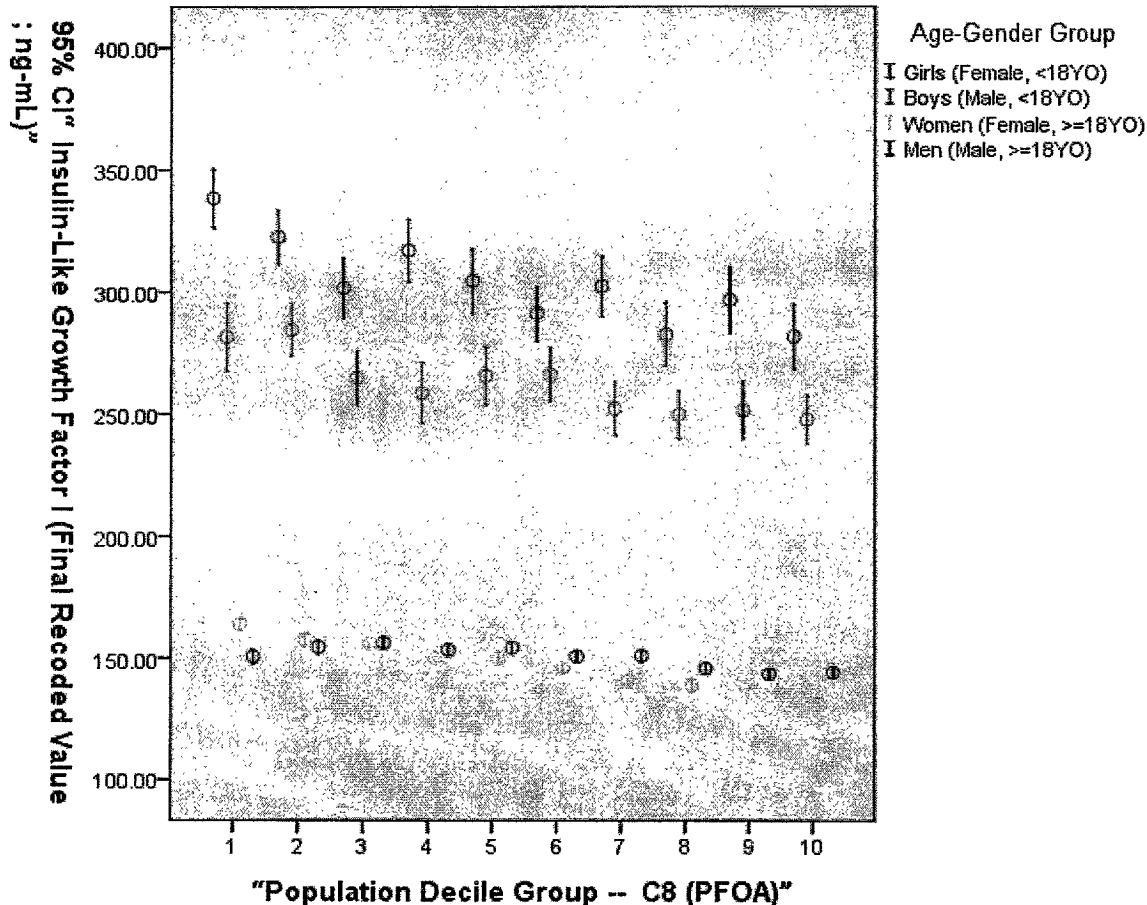


50

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Insulin-Like Growth Factor I (ng-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

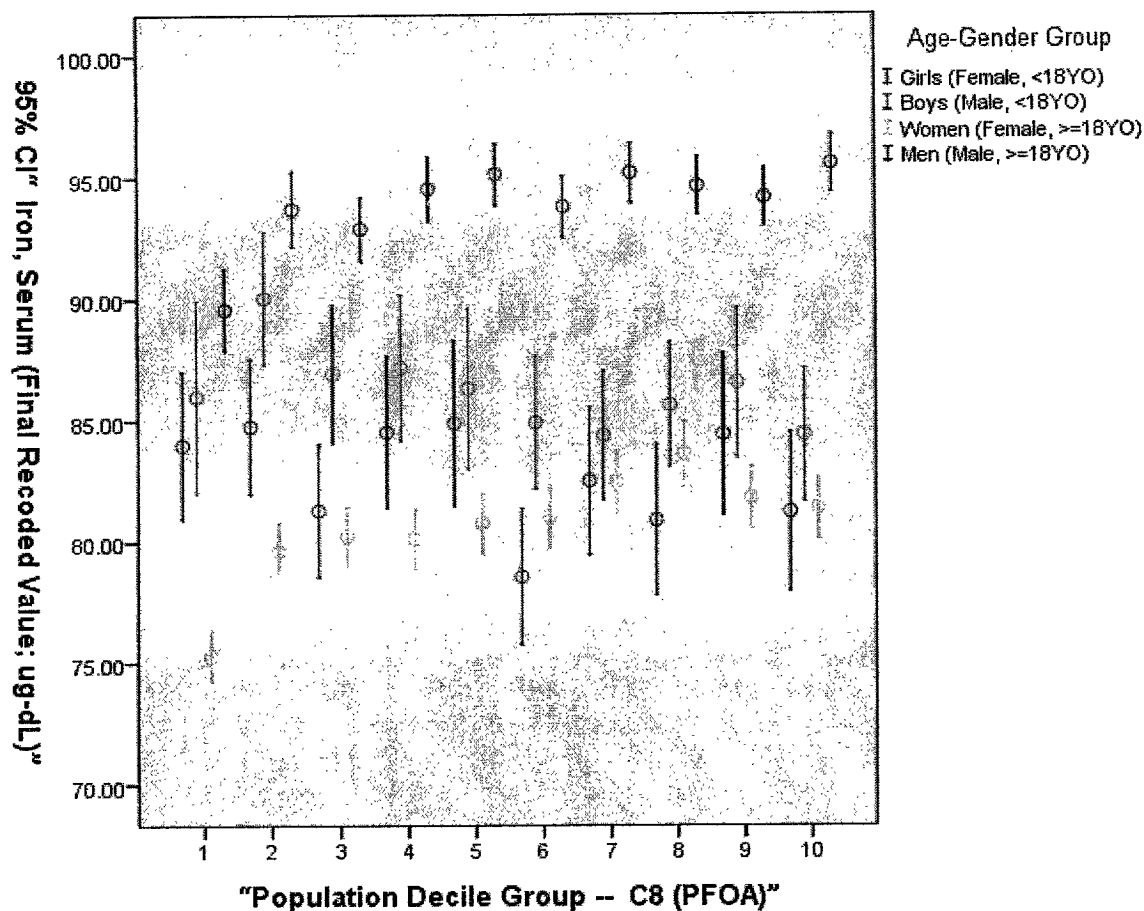


51

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Iron, Serum (ug-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



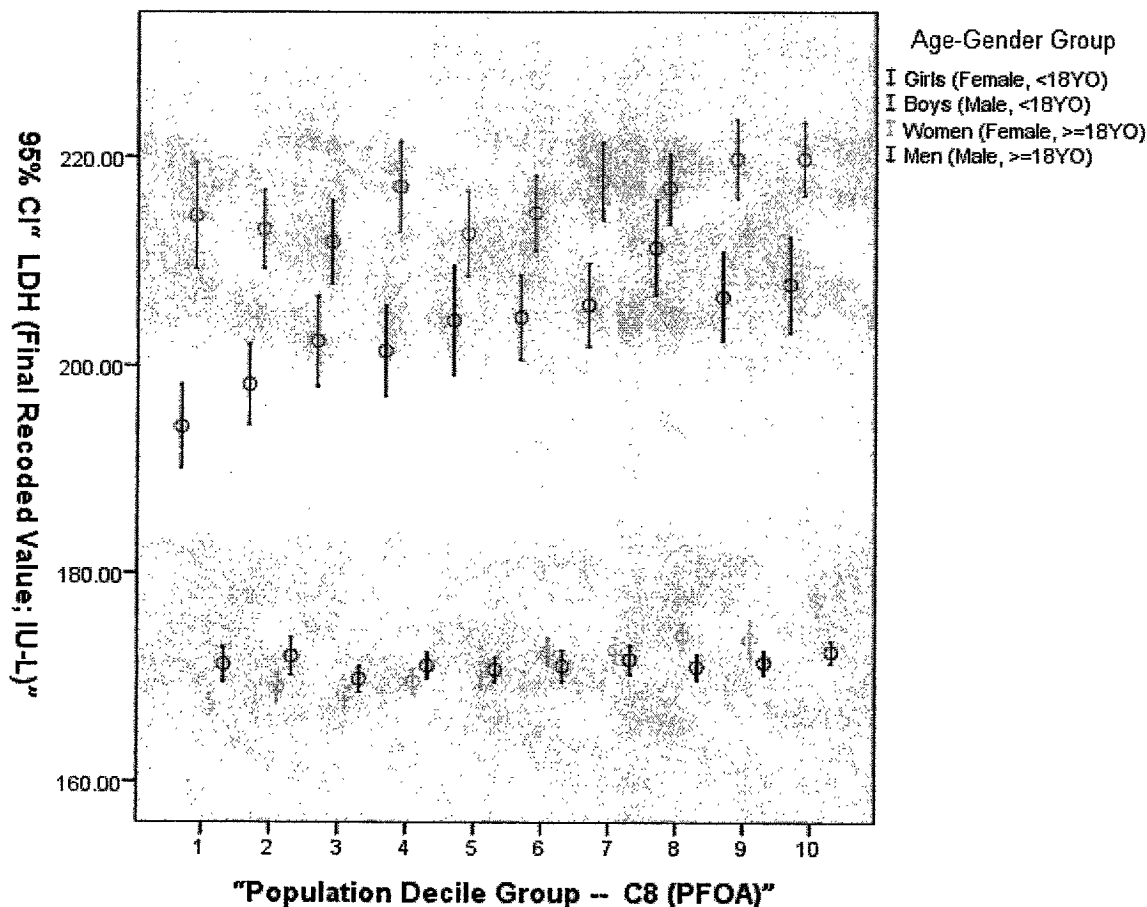
52

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and LDH (IU-L)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

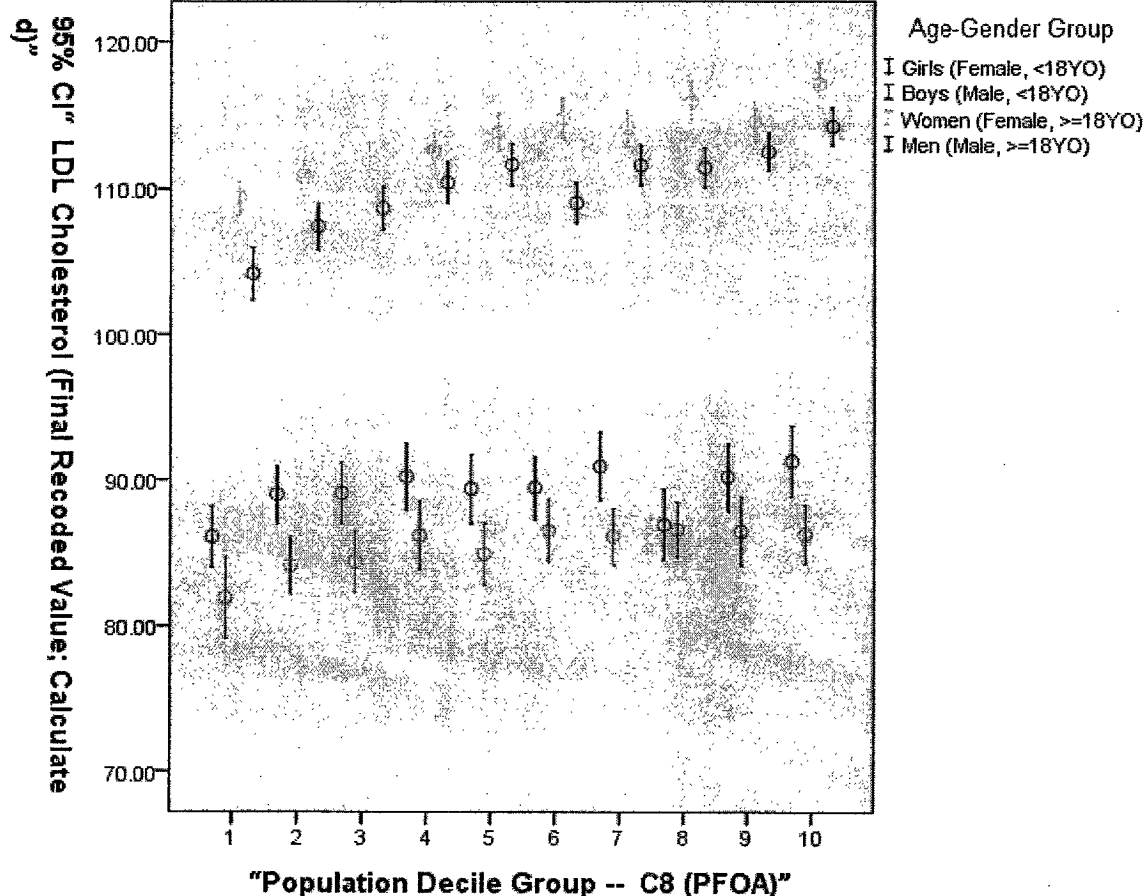


53

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and LDL Cholesterol (Calculated) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

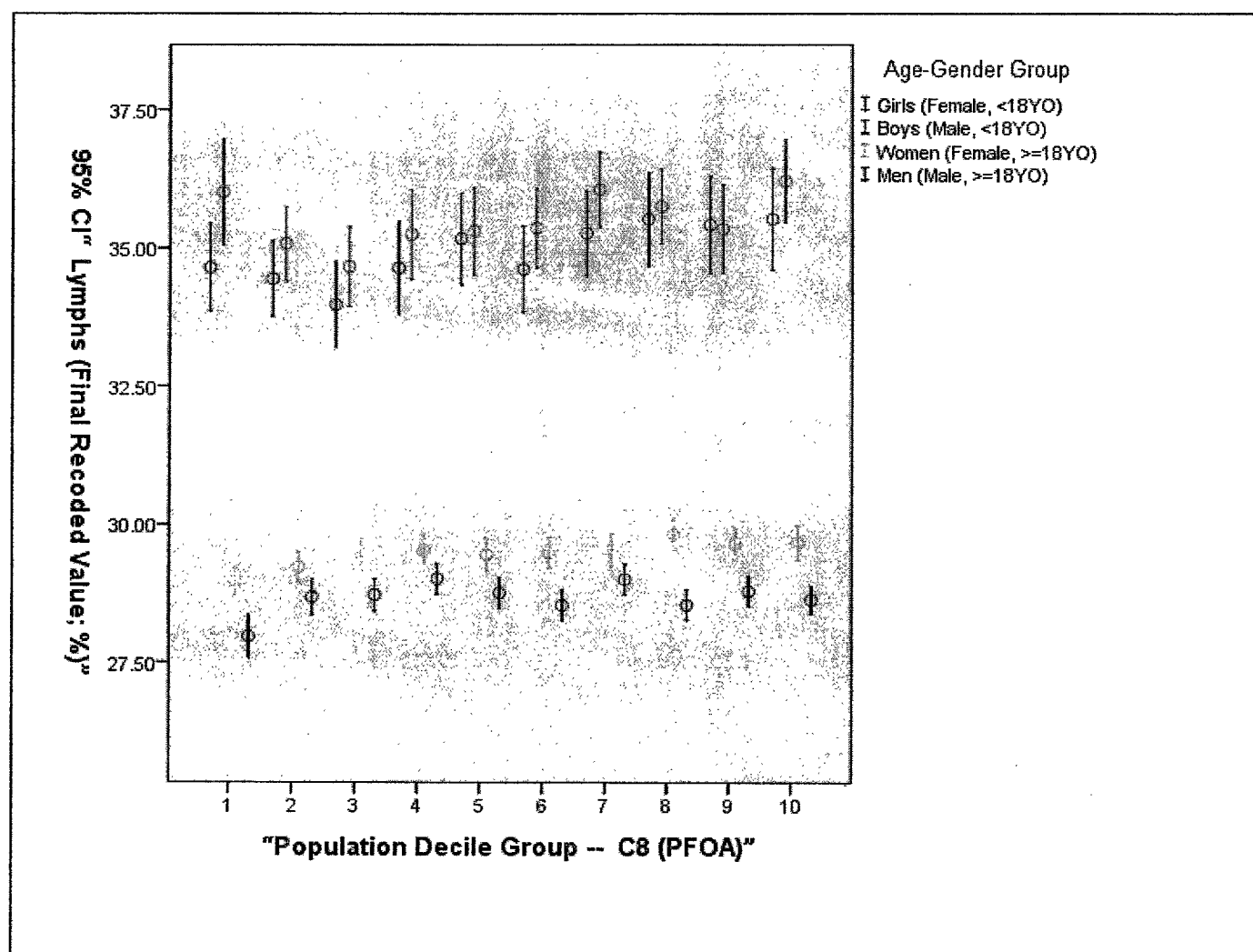


54

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Lymphs (%) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

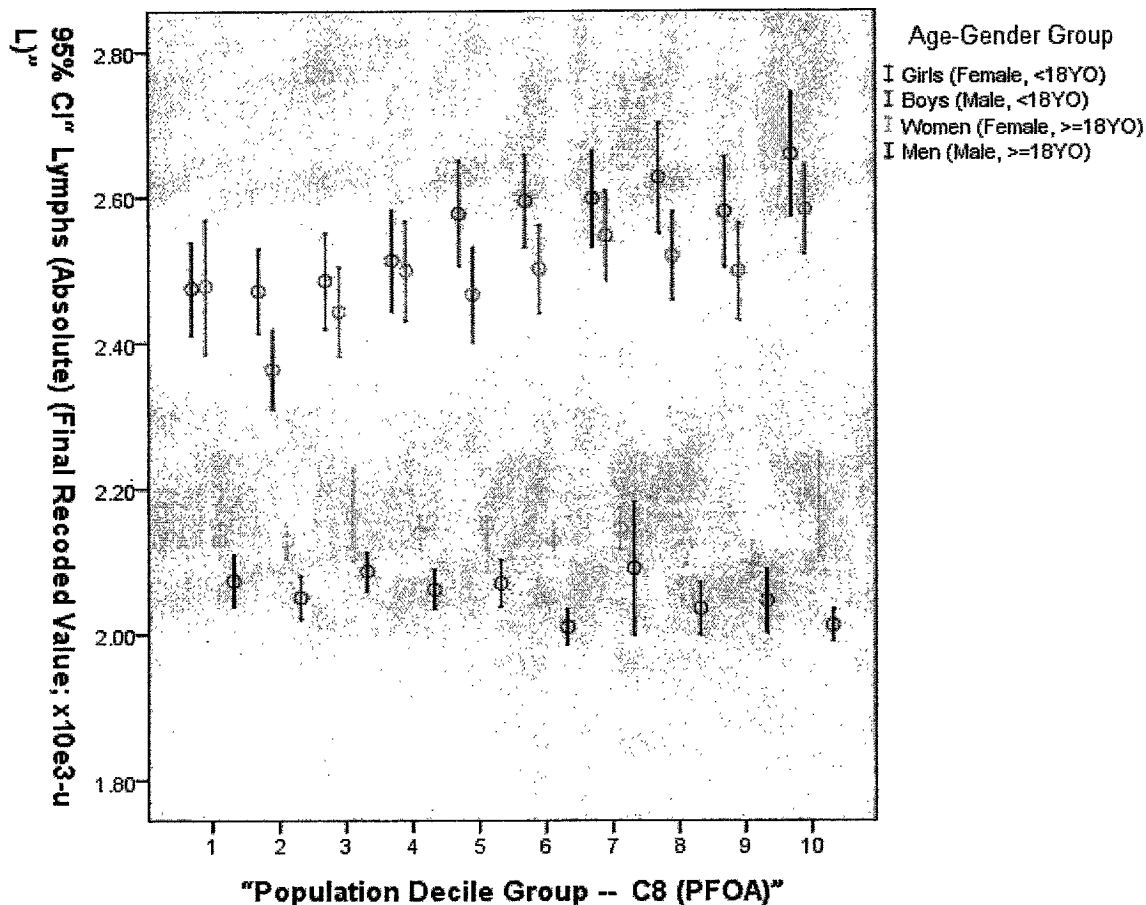


55

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Lymphs (Absolute) ($\times 10^3/\mu\text{L}$) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

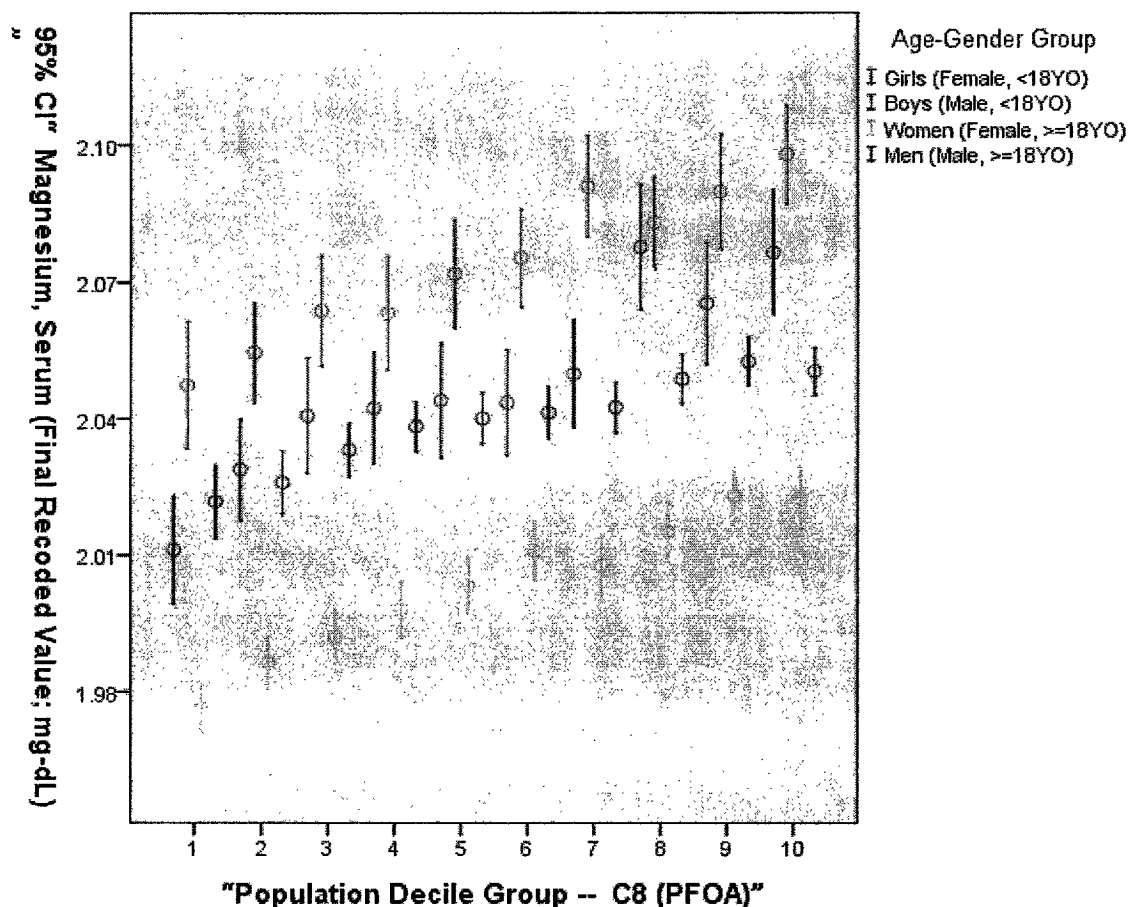


56

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Magnesium, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

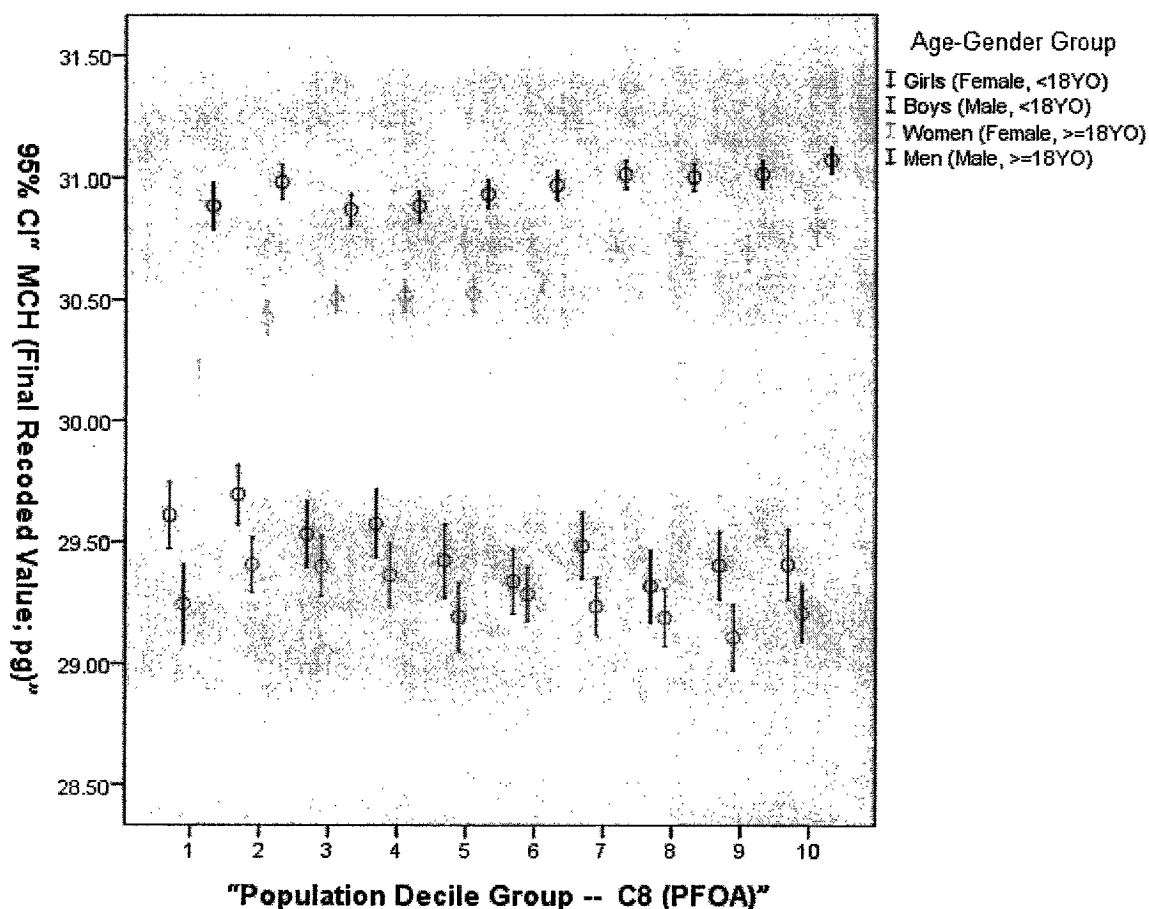


57

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and MCH (pg) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

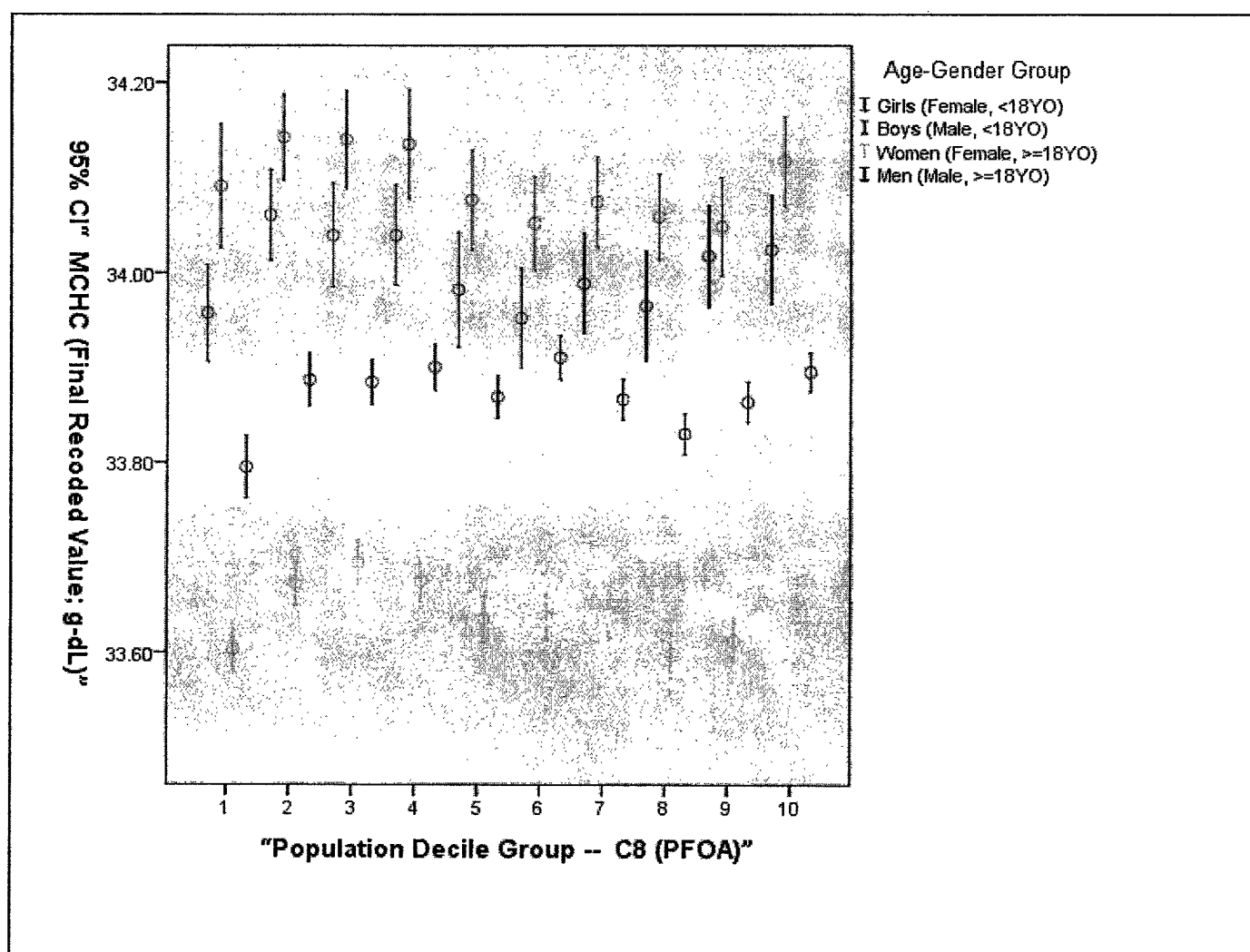


58

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and MCHC (g-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



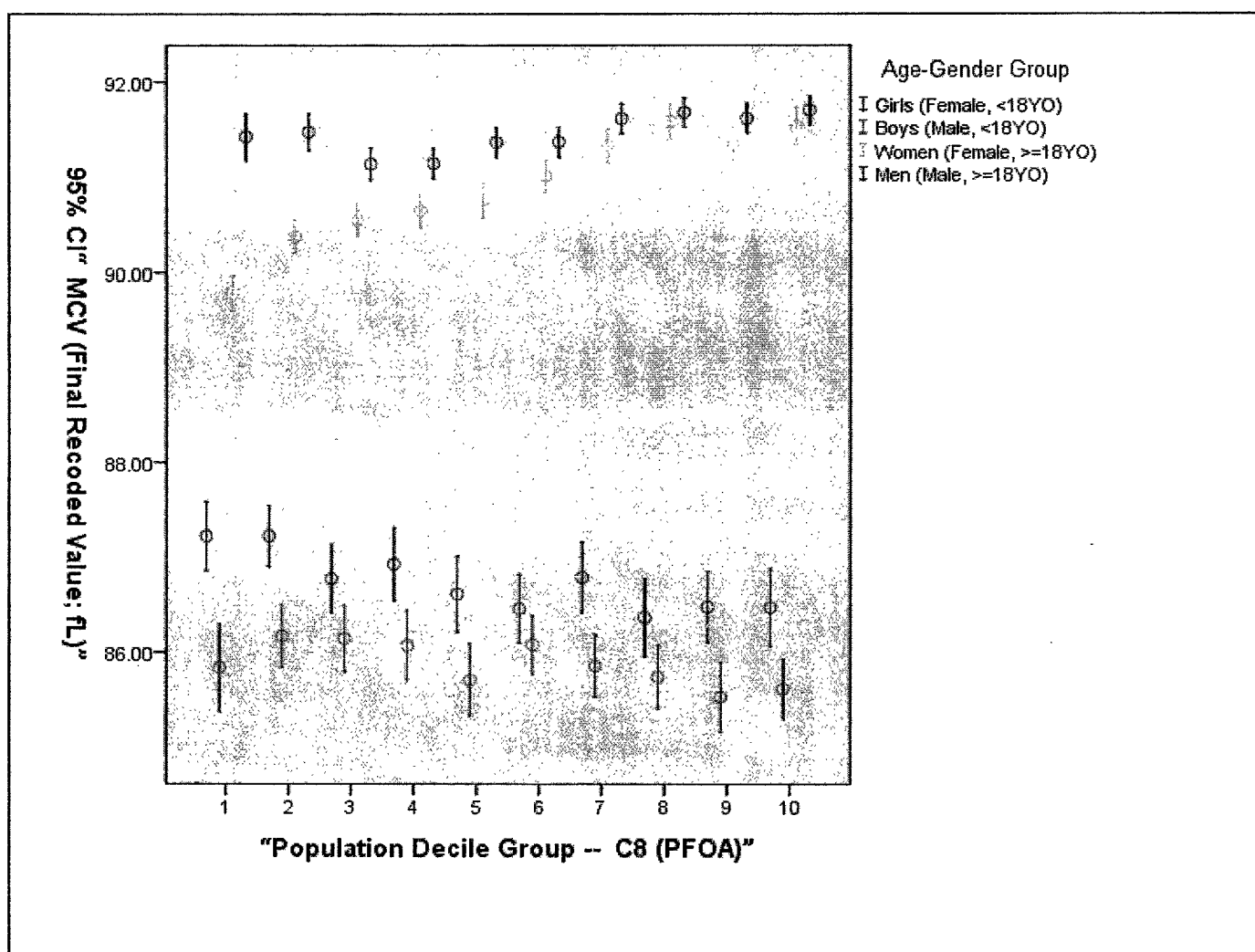
59

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and MCV (fL)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

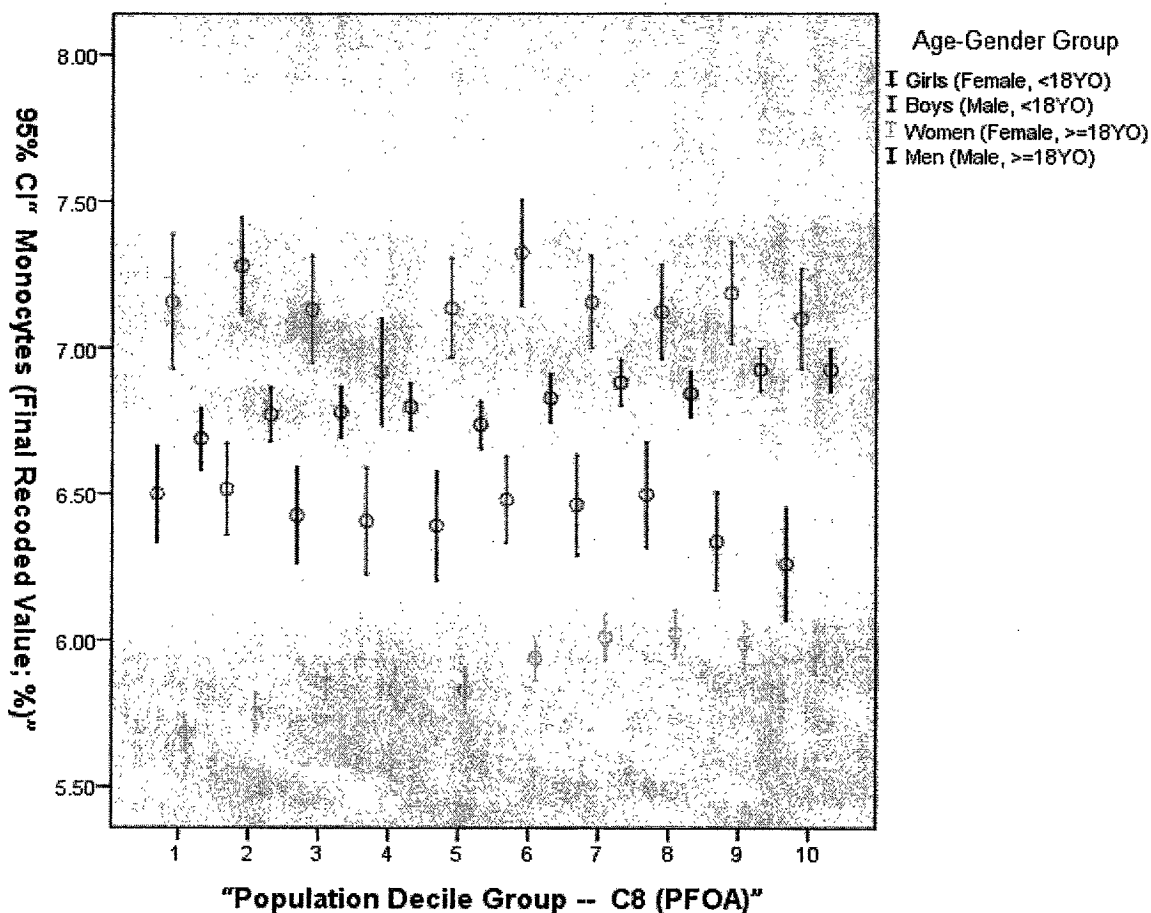


60

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Monocytes (%) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

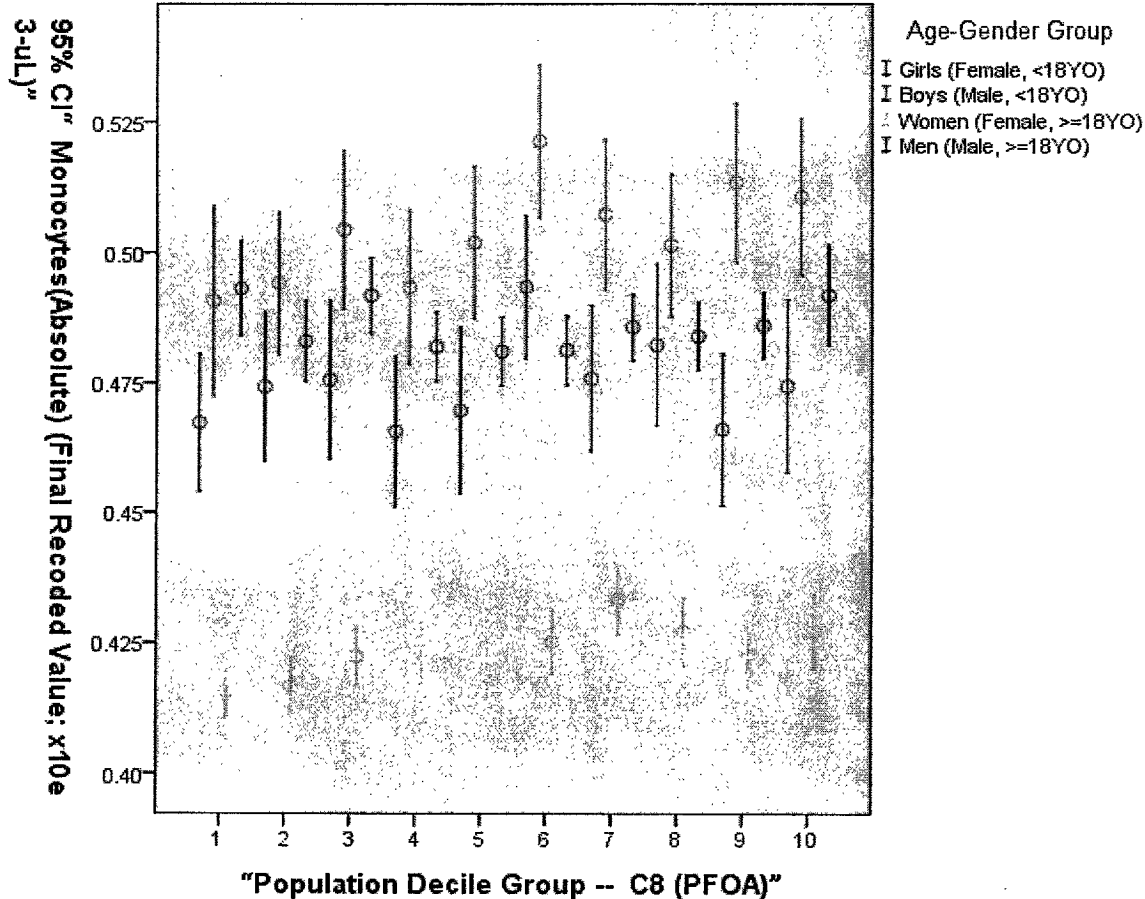


61

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Monocytes(Absolute) (x10e3-uL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

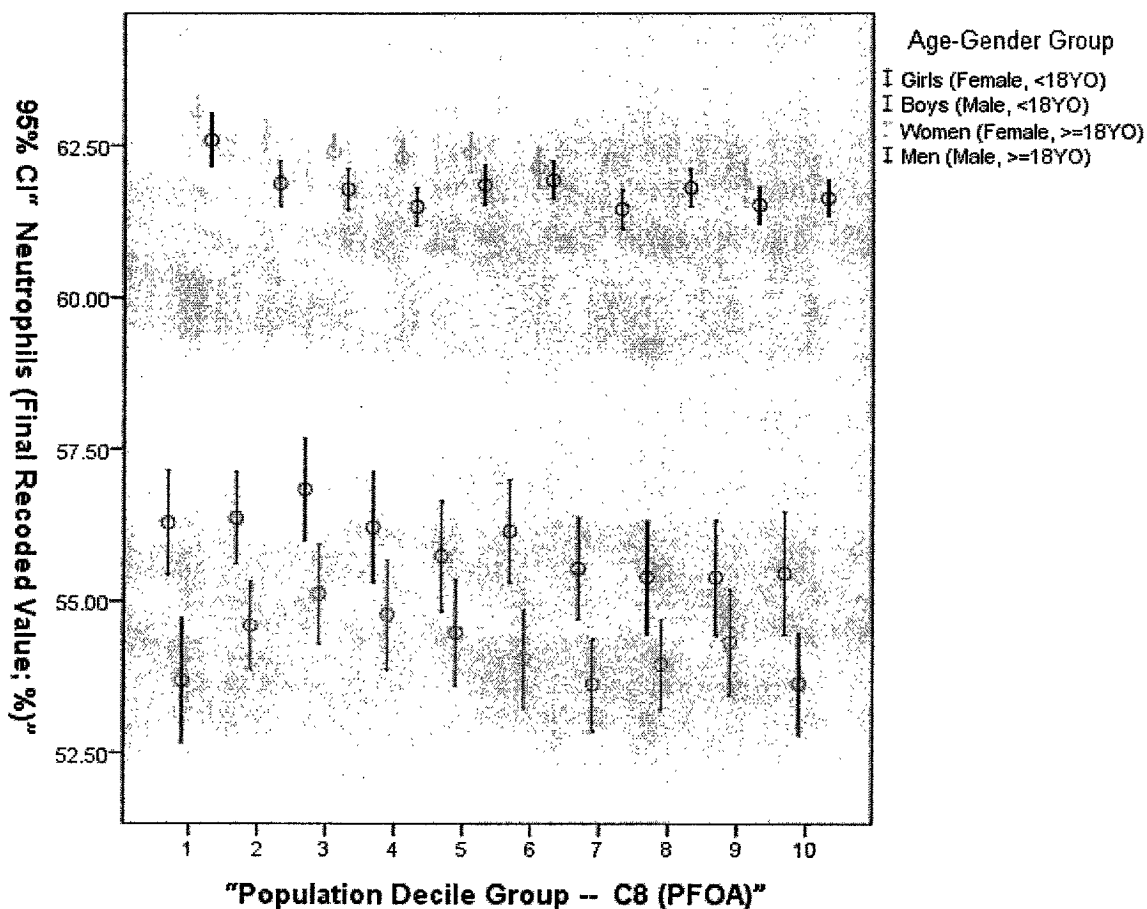


62

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Neutrophils (%) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

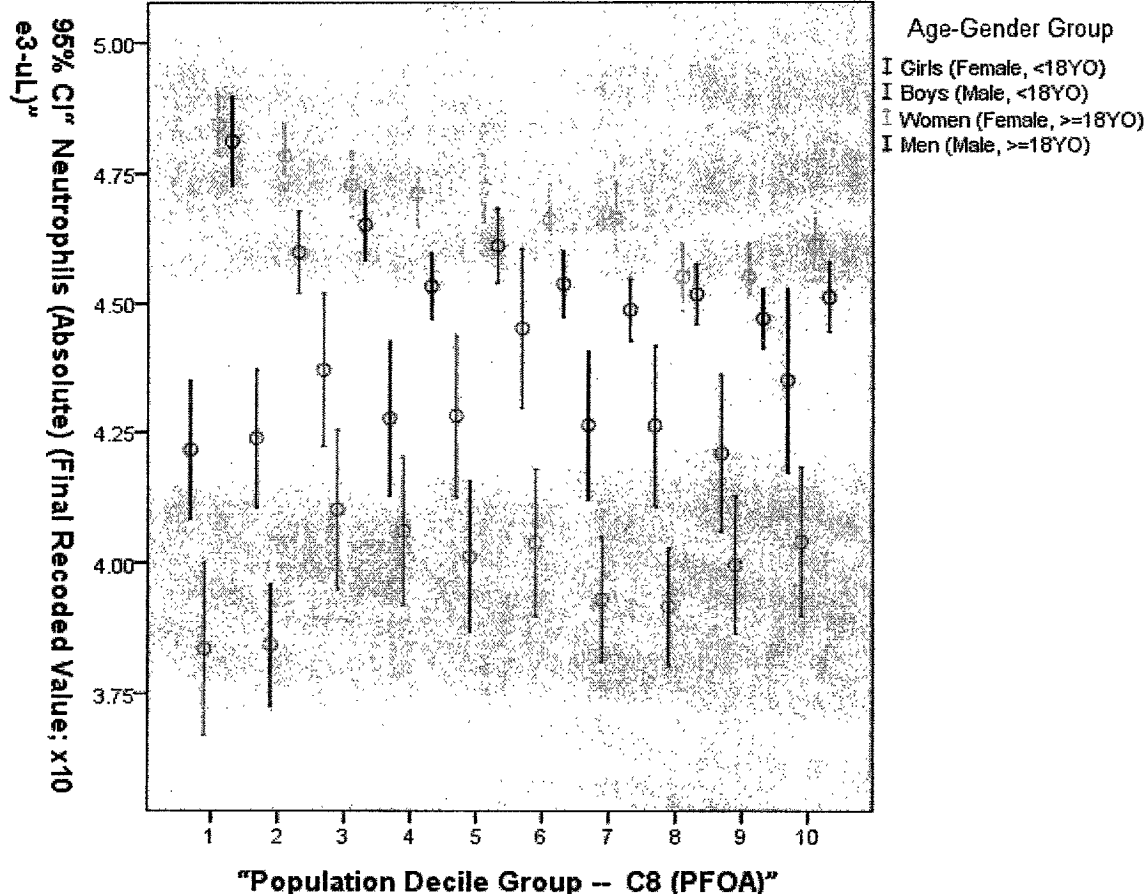


63

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Neutrophils (Absolute) (x10e3-uL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

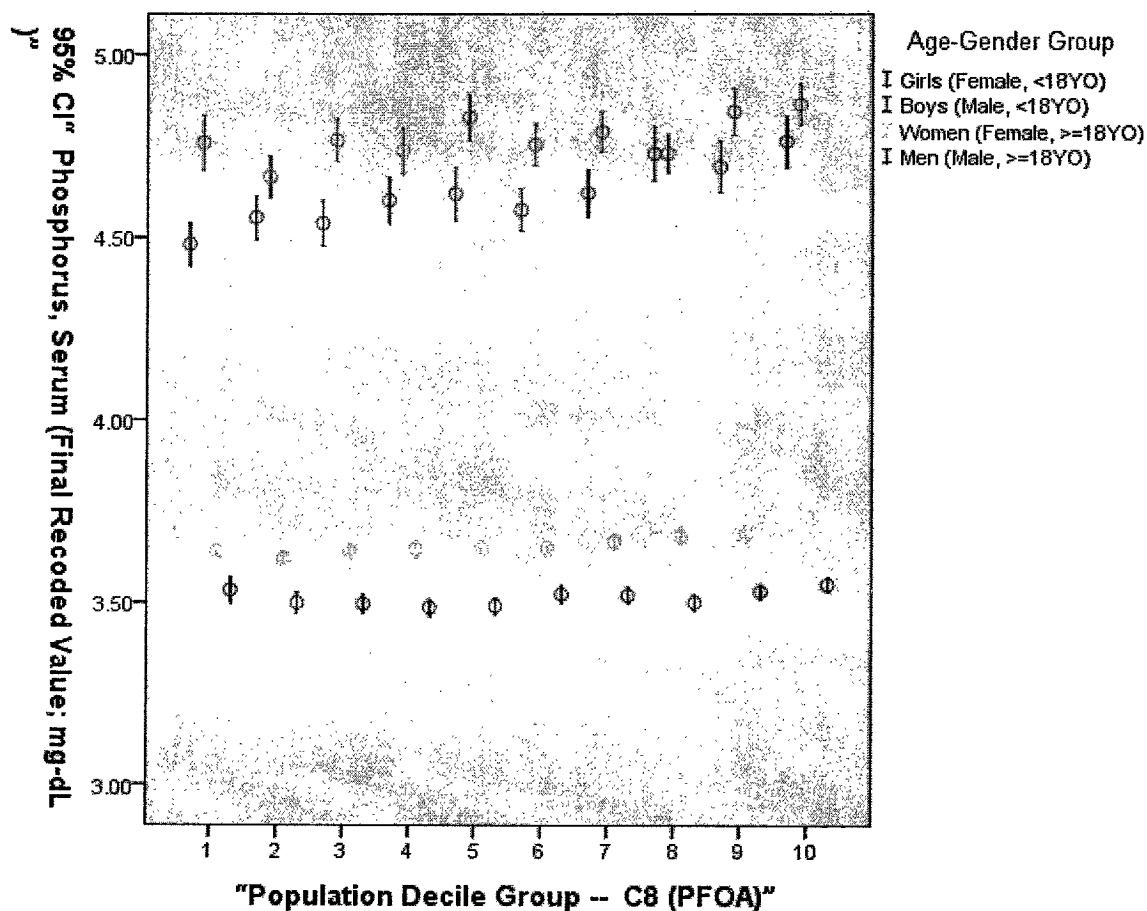


64

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Phosphorus, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

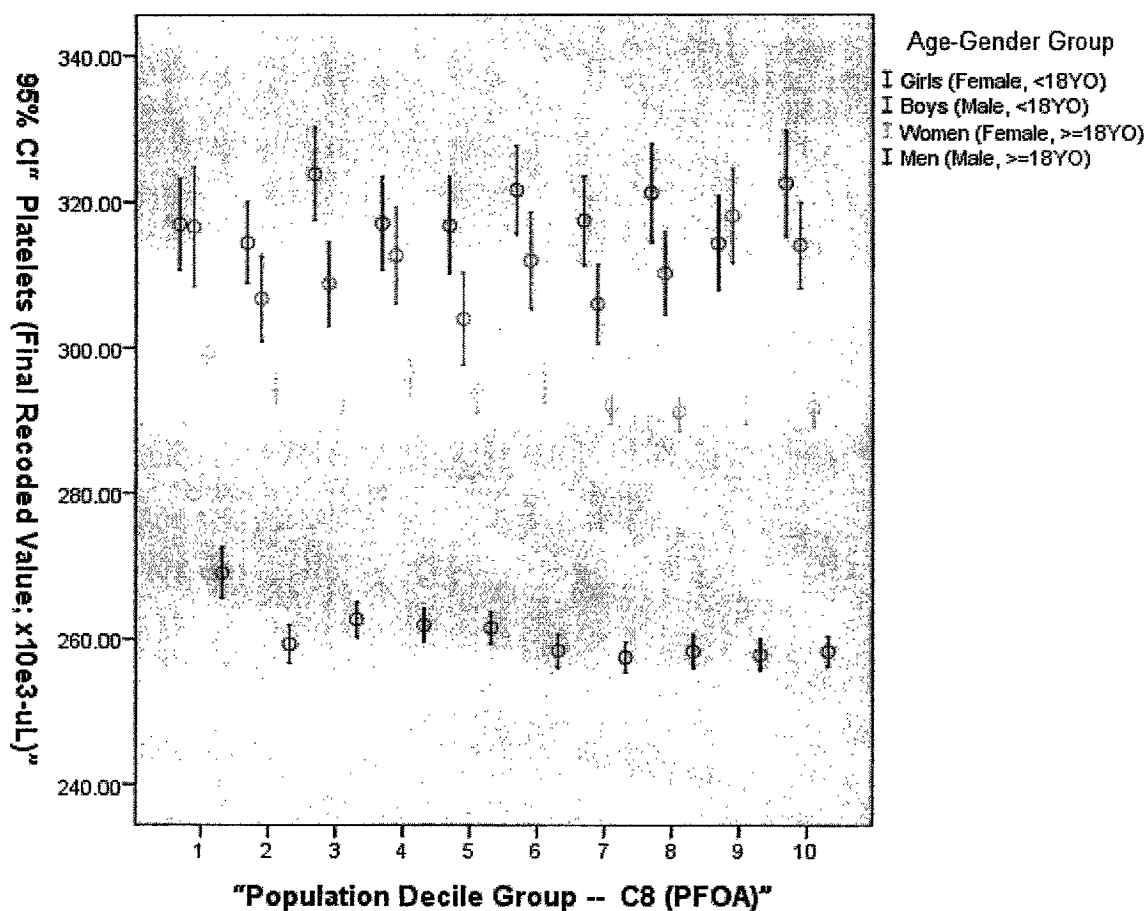


65

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Platelets (x10e3-uL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

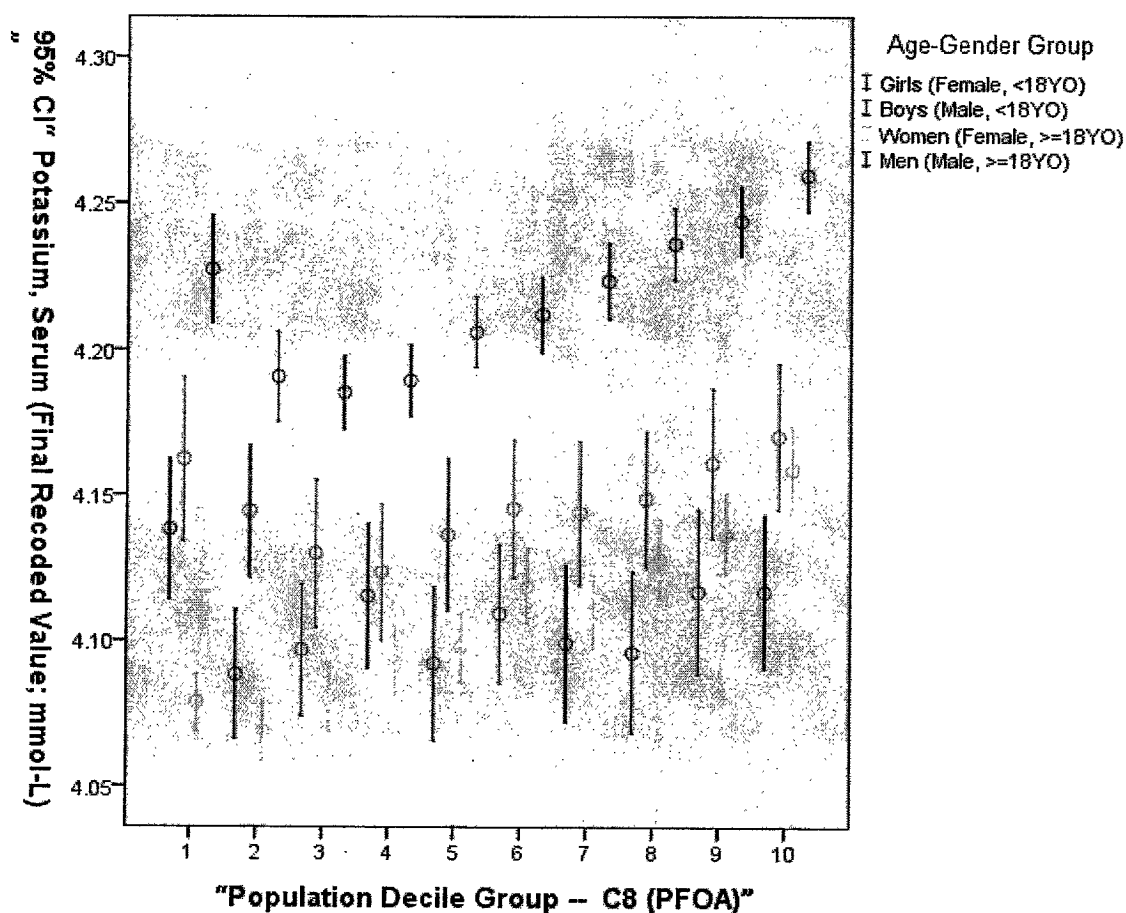


66

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Potassium, Serum (mmol-L) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

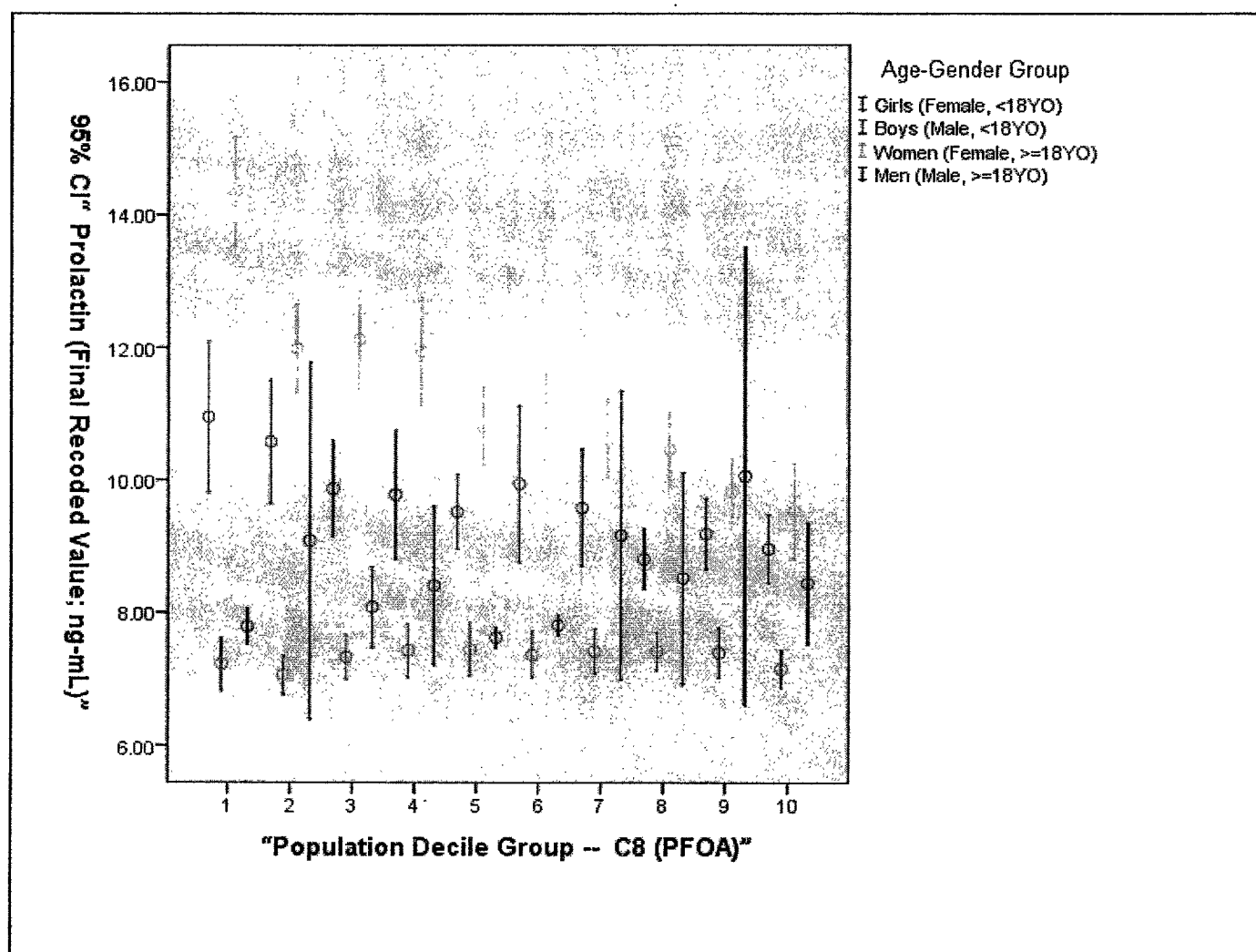


67

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Prolactin (ng-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

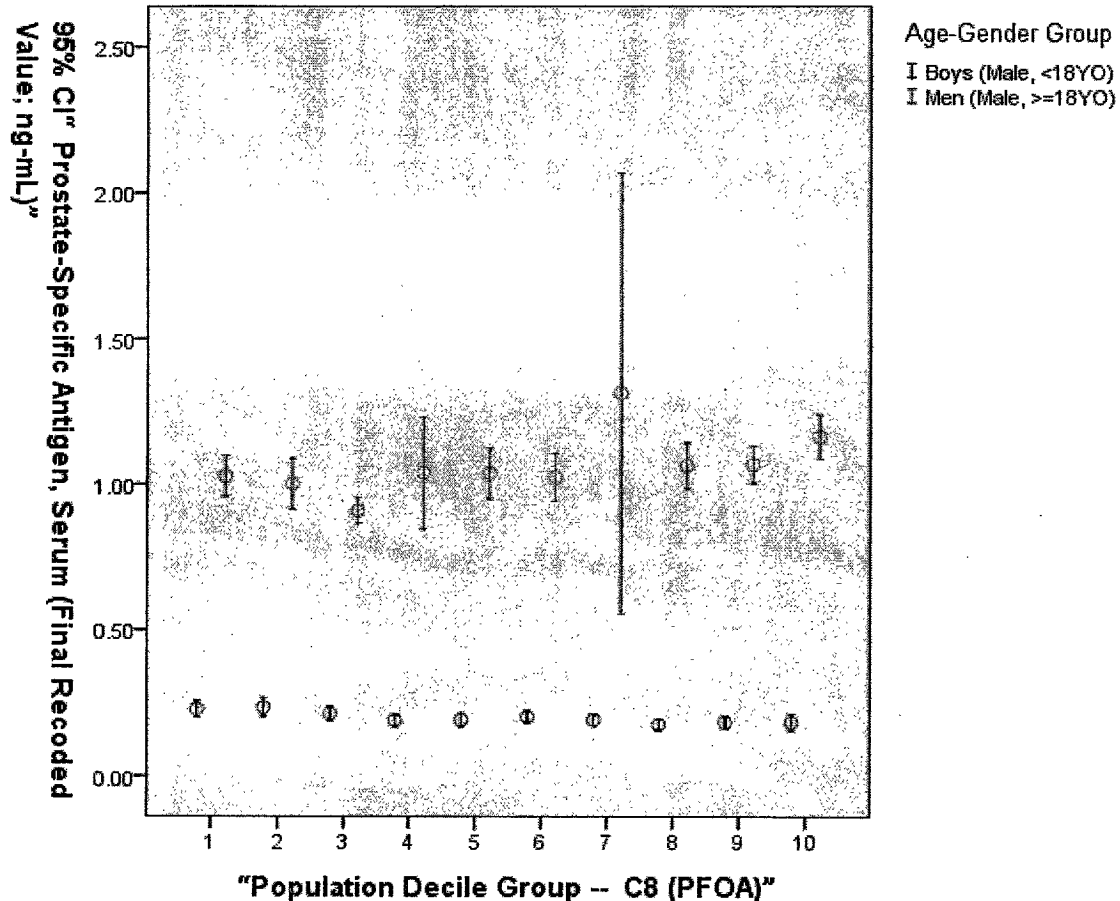


68

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Prostate-Specific Antigen, Serum (ng-mL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

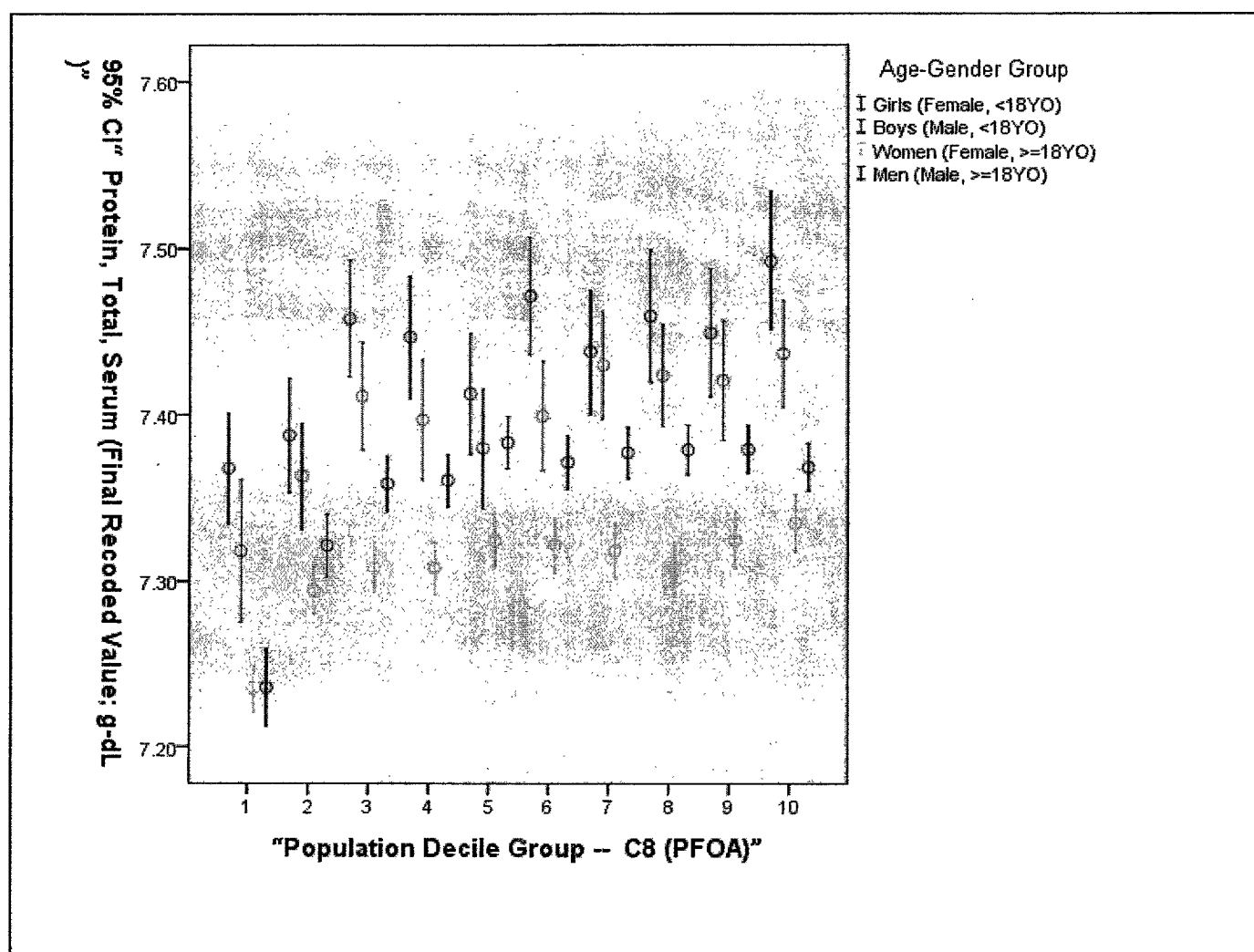


69

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Protein, Total, Serum (g-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



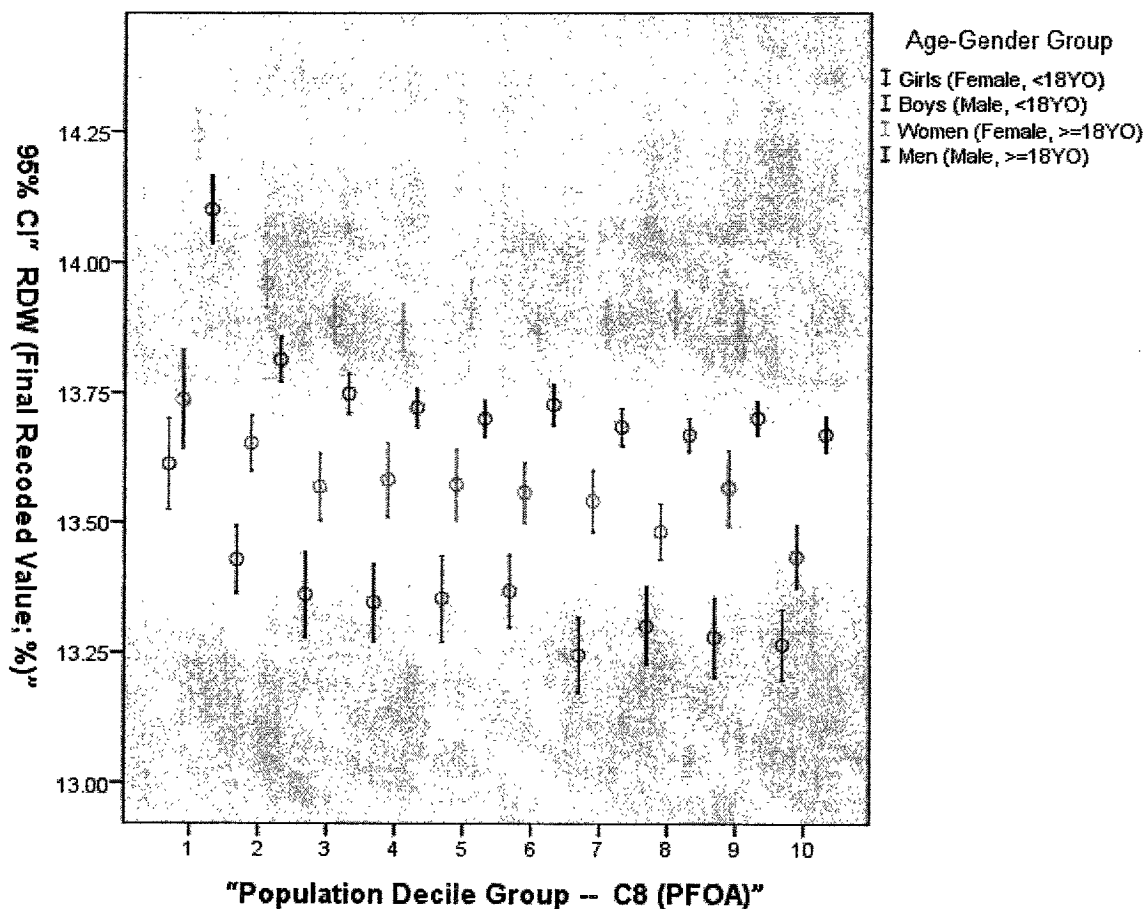
70

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and RDW (%)

Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



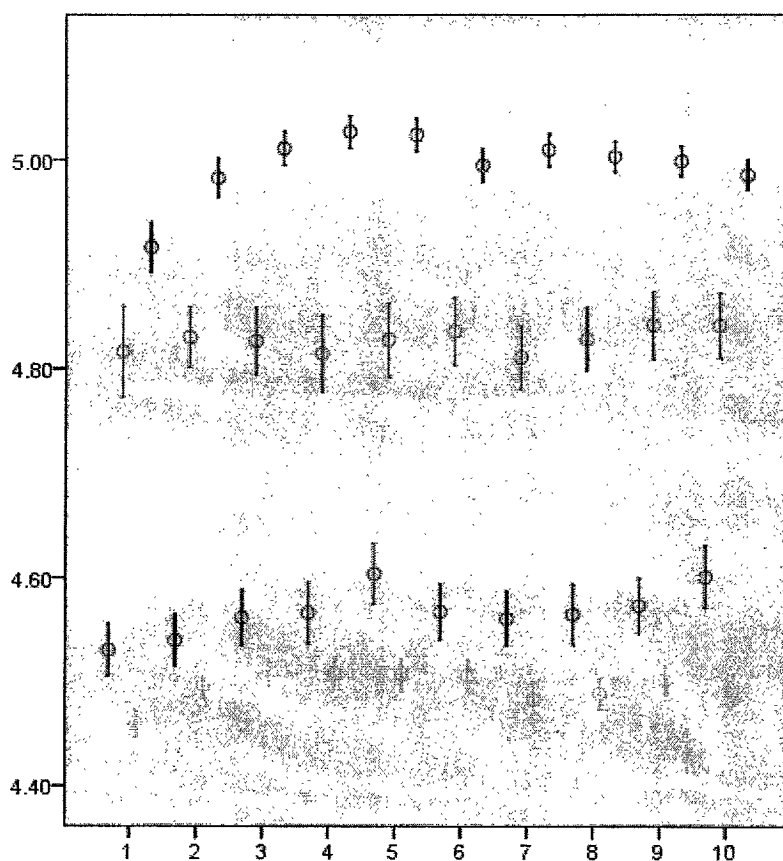
71

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Red Blood Cell Count (x10e6-uL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

95% CI^a Red Blood Cell Count (Final Recoded Value; x10e6-uL)^b



Age-Gender Group

- I Girls (Female, <18YO)
- I Boys (Male, <18YO)
- I Women (Female, >=18YO)
- I Men (Male, >=18YO)

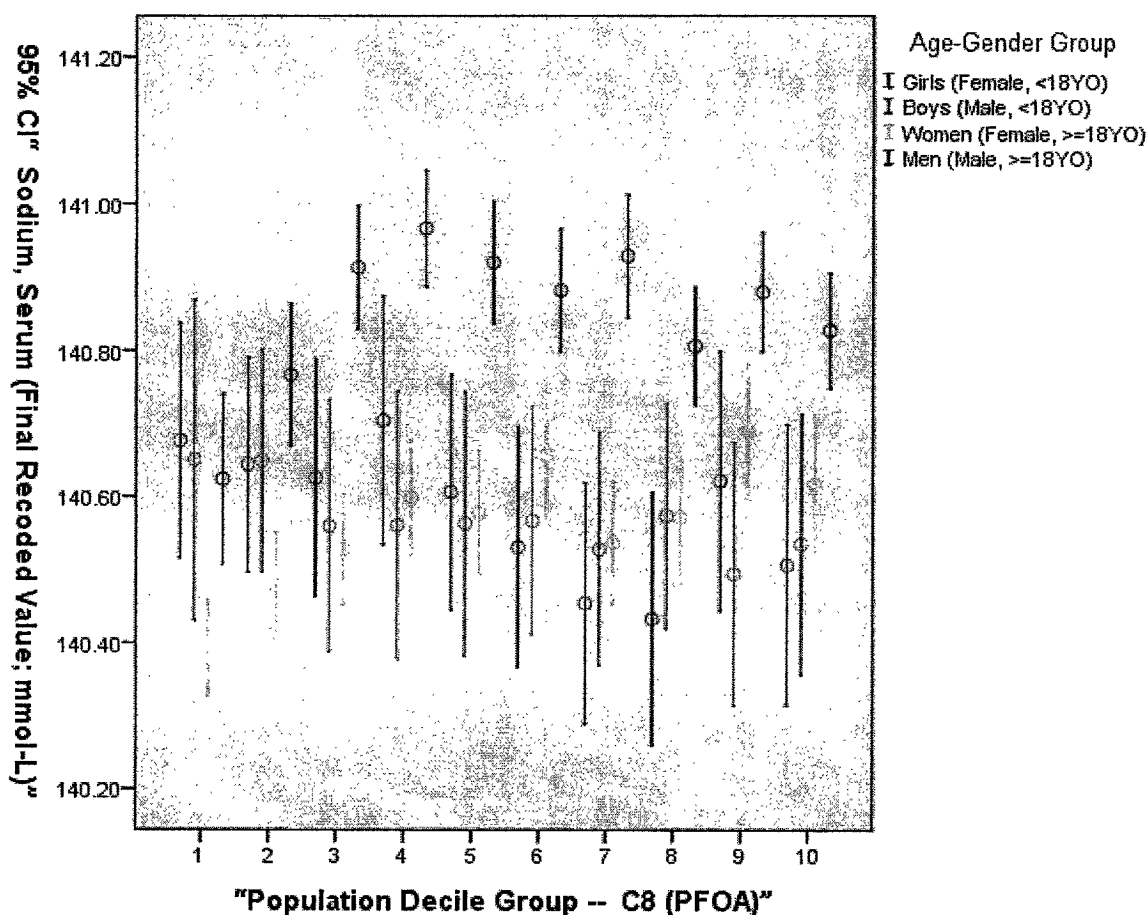
"Population Decile Group -- C8 (PFOA)"

72

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Sodium, Serum (mmol-L) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

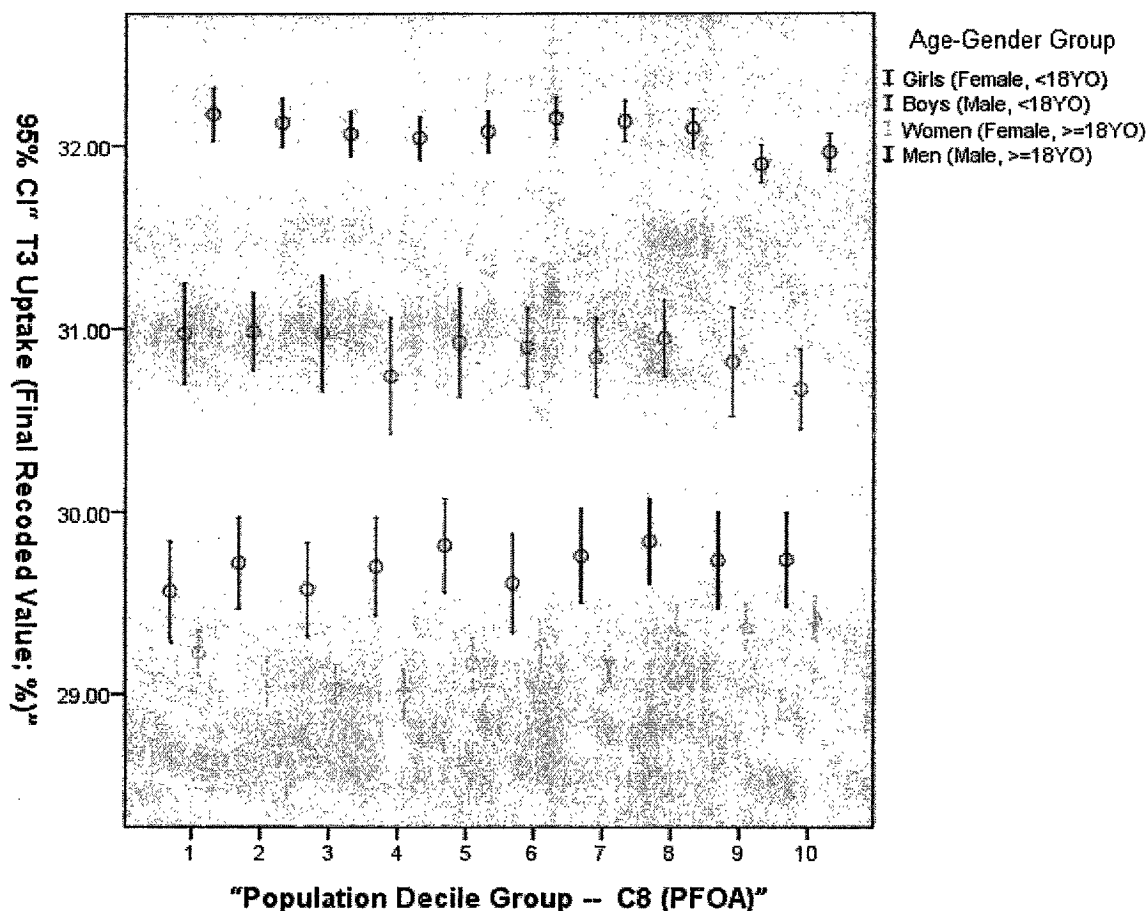


73

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and T3 Uptake (%) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

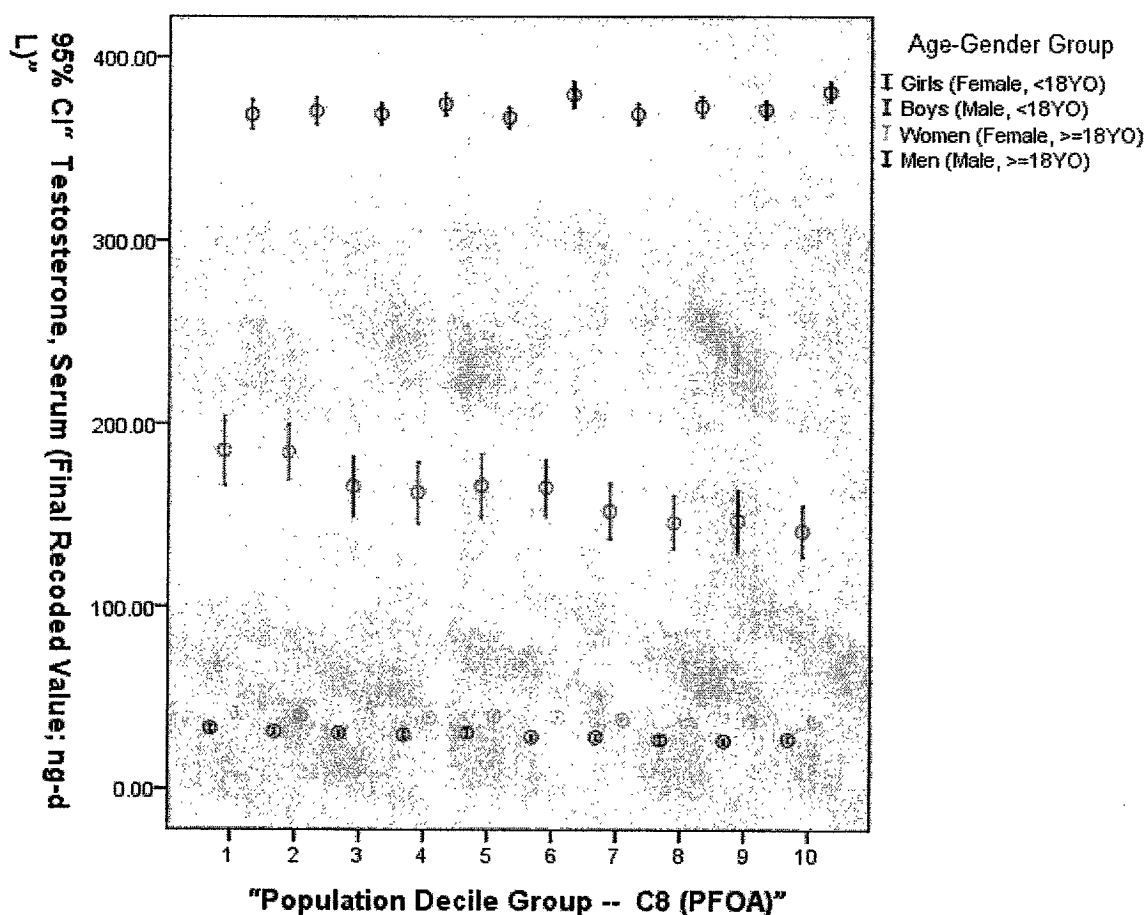


74

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Testosterone, Serum (ng-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

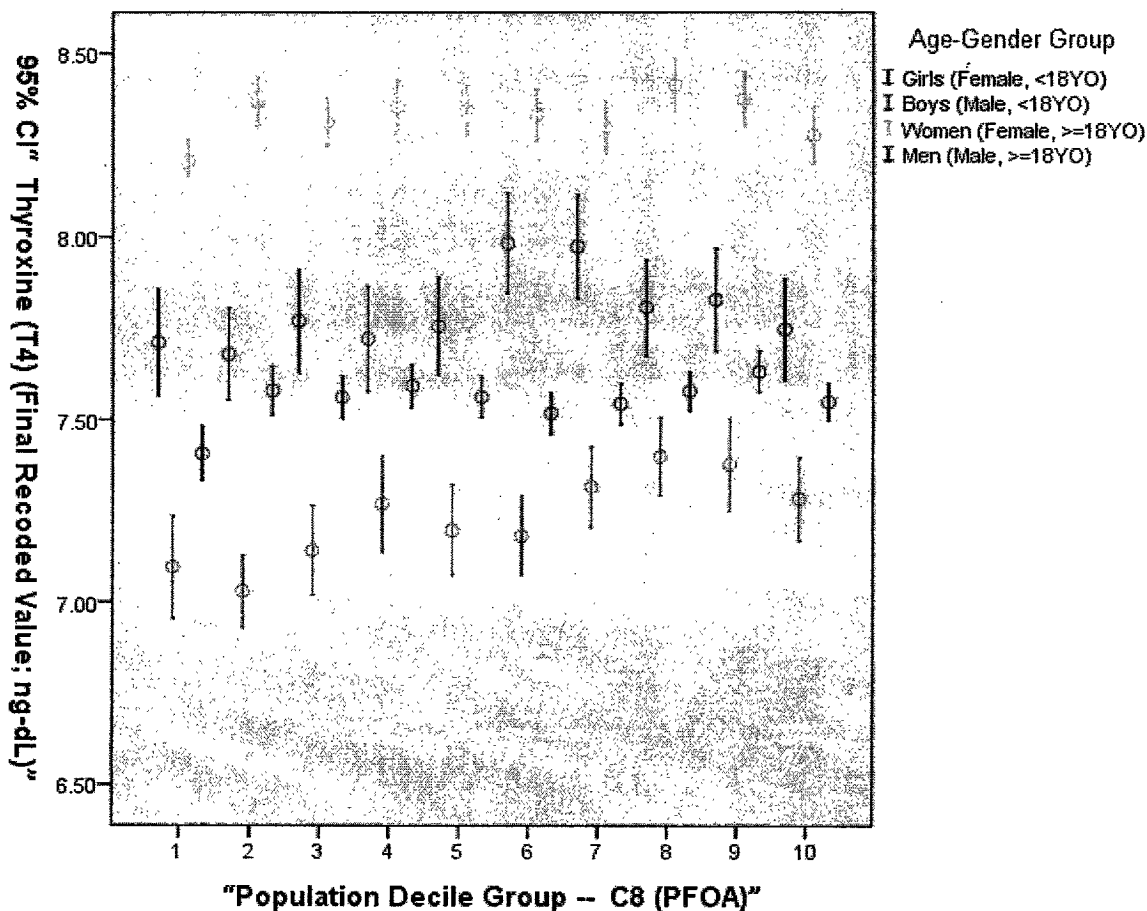


75

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Thyroxine (T4) (ng-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

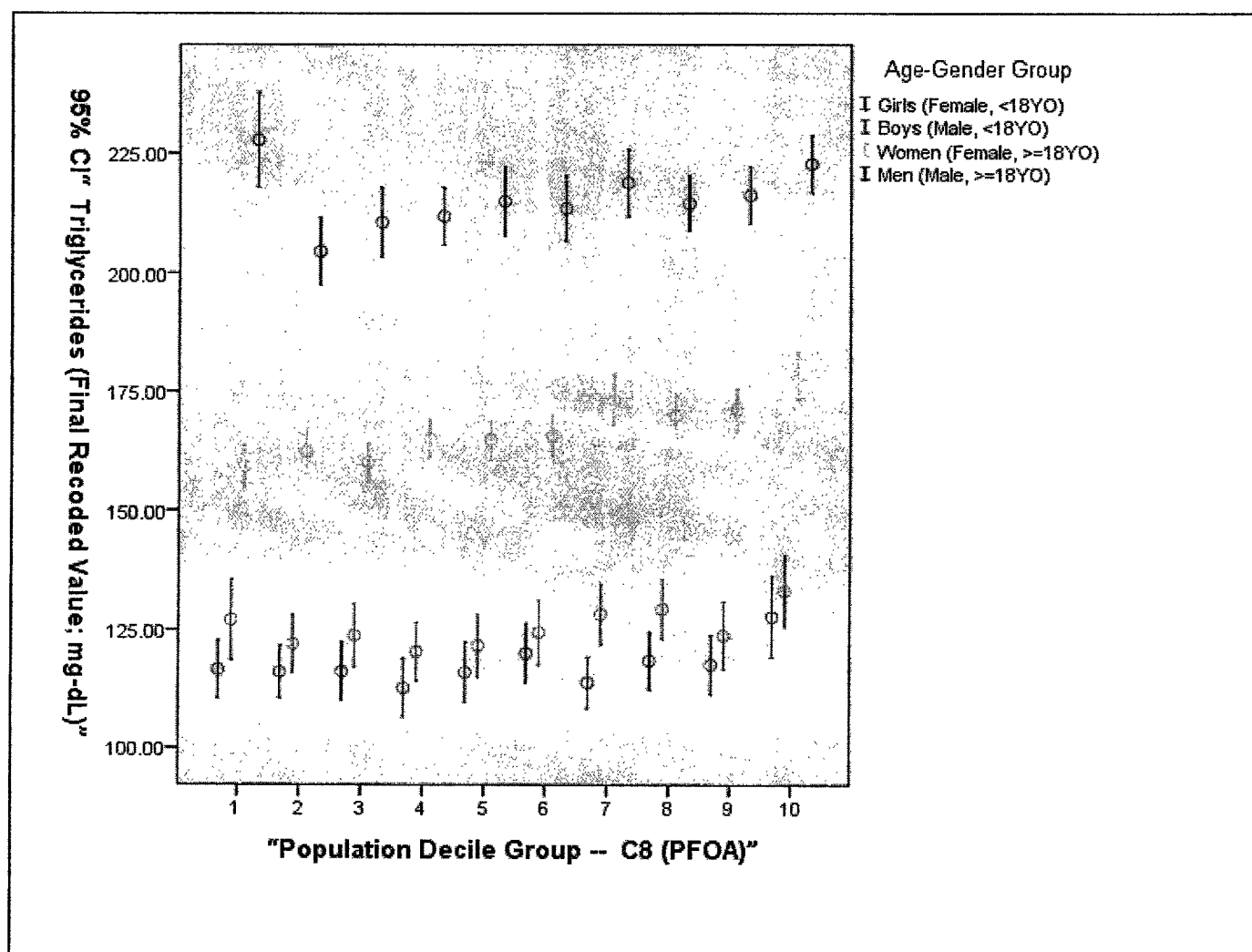


76

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Triglycerides (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

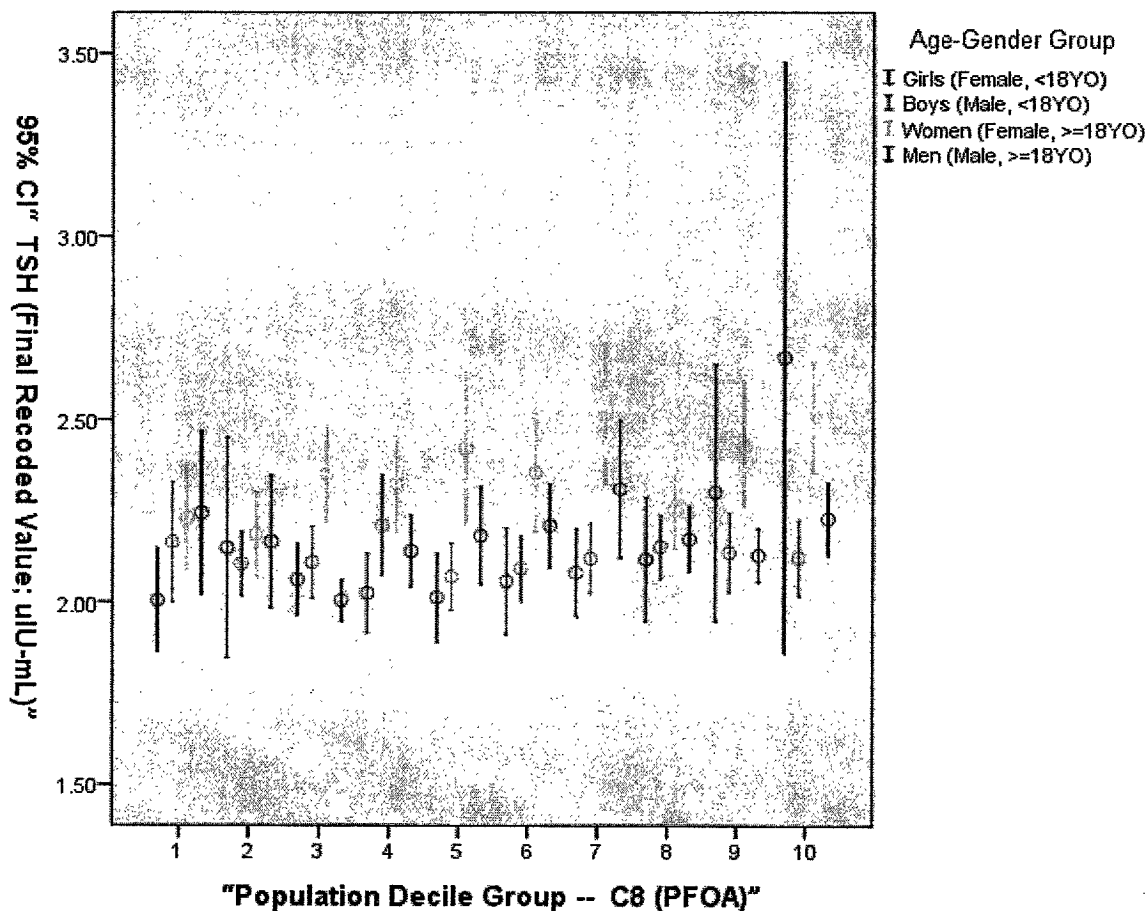


77

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and TSH (uIU-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a “standard” clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

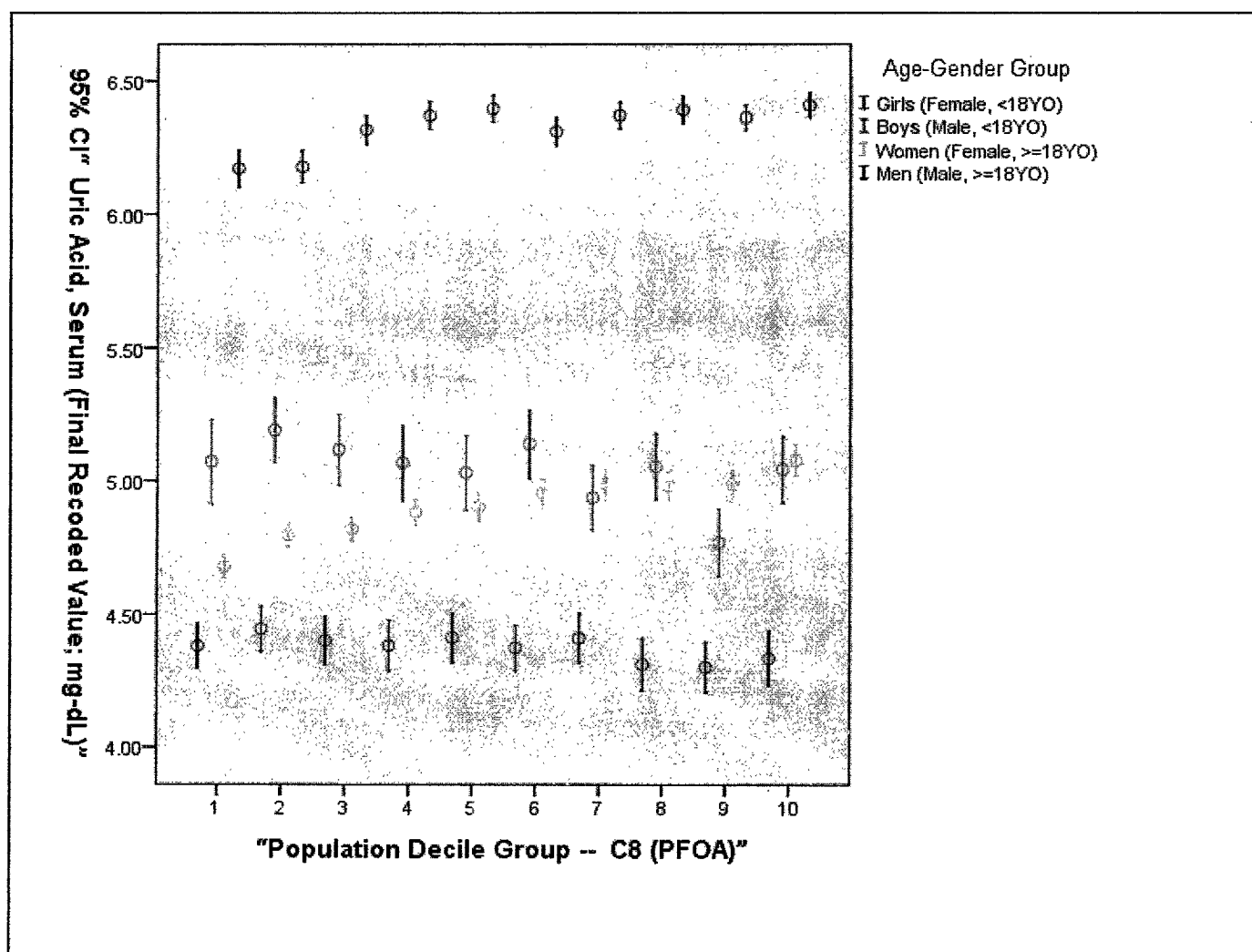


78

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Uric Acid, Serum (mg-dL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

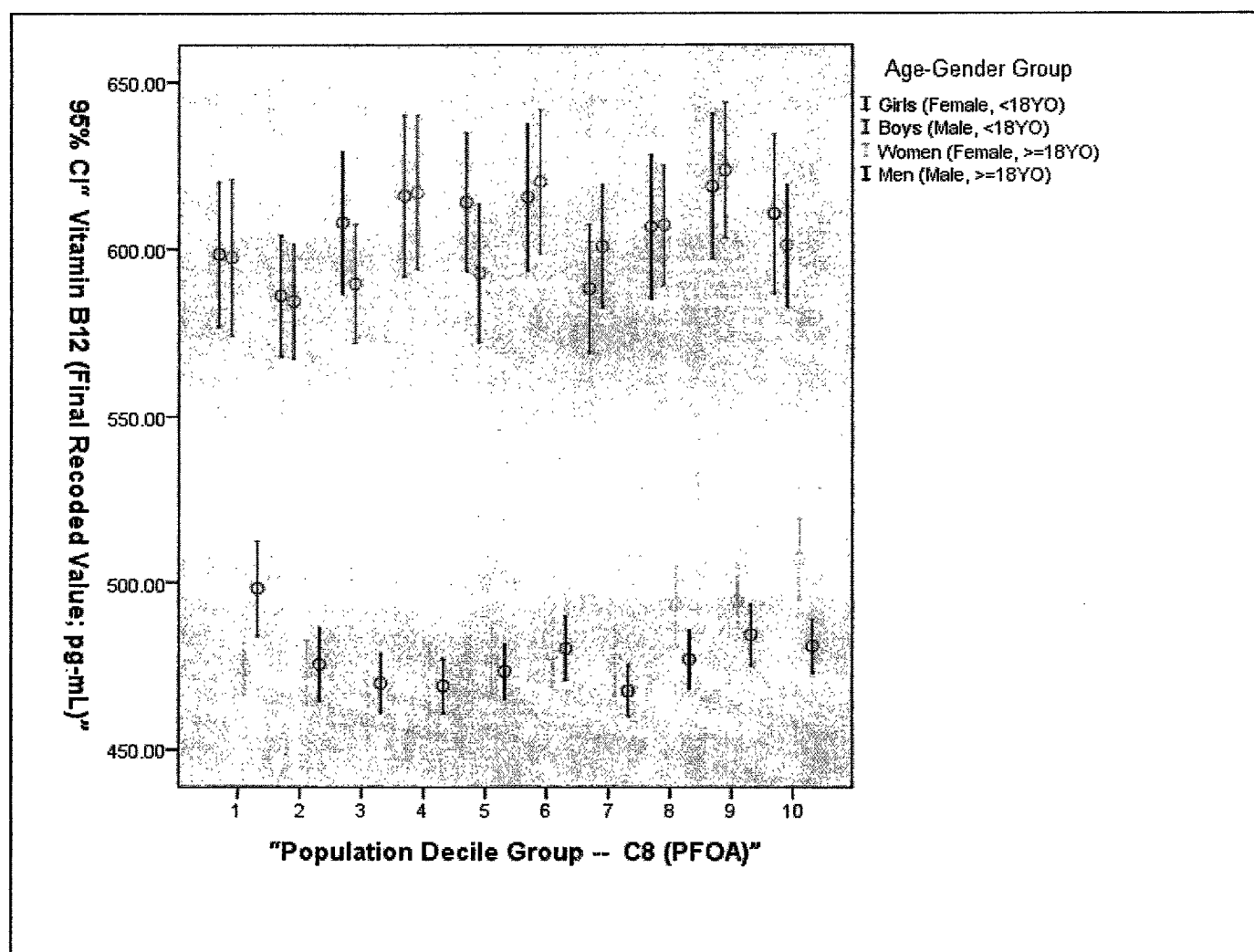


79

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and Vitamin B12 (pg-mL) Stratified by Age & Gender

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

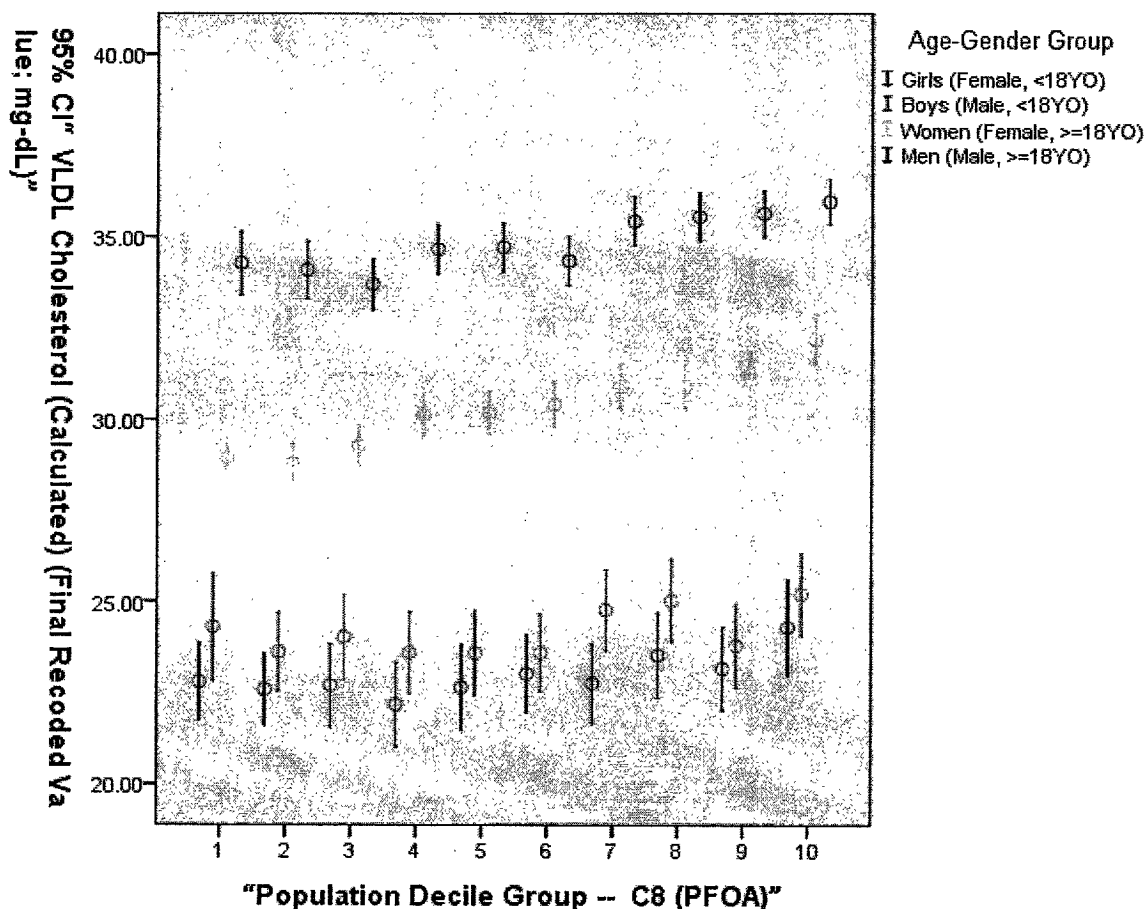


80

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and VLDL Cholesterol (Calculated) (mg-dL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.



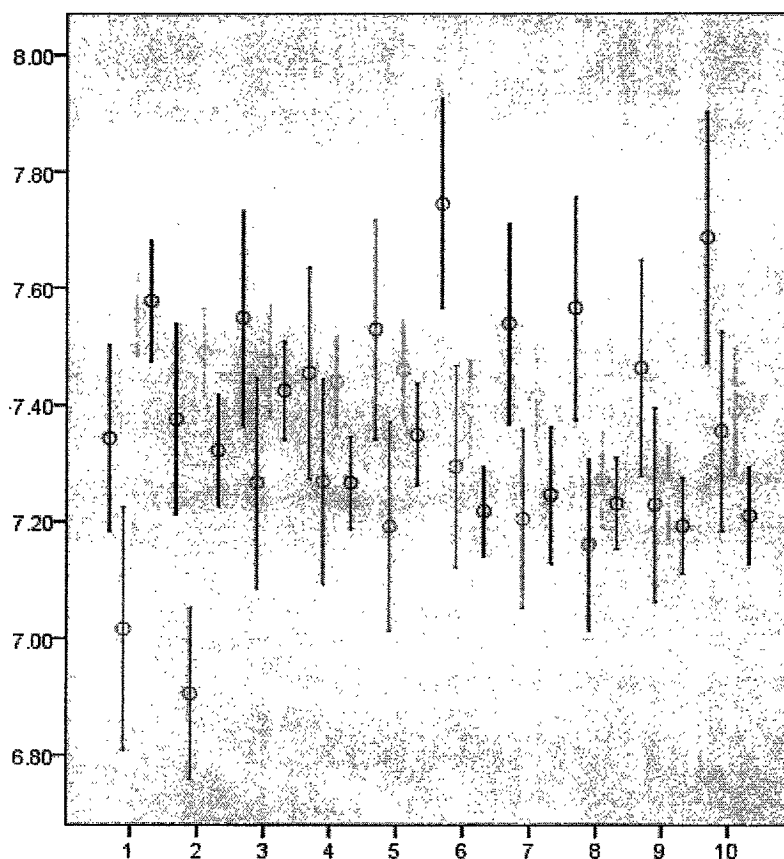
81

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.

Association Between C8 Deciles and White Blood Cell Count (x10e3-uL) *Stratified by Age & Gender*

NOTE: The graph below depicts the association between the blood concentration of a "standard" clinical laboratory test for the corresponding population serum PFOA (C8) decile. The results are stratified by age and gender categories. The association, if any, is univariate and therefore unadjusted for potential confounding variables or other mediating factors. Associations require further complex, multivariate analysis in order to ascertain the statistical and clinical meaning, if any.

95% CI* White Blood Cell Count (Final Recoded Value; x10e3-uL)



Age-Gender Group

- I Girls (Female, <18YO)
- I Boys (Male, <18YO)
- I Women (Female, >=18YO)
- I Men (Male, >=18YO)

"Population Decile Group -- C8 (PFOA)"

82

Analytic Note: Deciles were established using the entire population, not for specific age and / or gender sub-strata.