Documentation, Codebook, and Frequencies

Surplus Sera Laboratory Component:
Antibody to Toxocara Larva Migrans (Surplus Urine)

Survey Years: 1988 to 1994

SAS Export File: SSTOXO.XPT

First Published: January 2007
Last Revised: N/A
Laboratory Assessment: Antibody to *Toxocara* Larva Migrans (NHANES III Surplus Sera)

**Component Description**

All available sera from NHANES III (1988-1994) participants 6+ years were tested for antibodies to *Toxocara* in an indirect enzyme immunoassay (EIA) with an excretory/secretory antigen of *Toxocara canis*. All results in this data release are reported as positive or negative.

**Eligible Sample**

All participants 6+ years from NHANES III with stored sera (n = 23,532)

**Description of Laboratory Methodology**

*Toxocara* antibodies were measured with an in-house EIA developed at the Centers for Disease Control and Prevention (CDC). This assay utilizes an excretory/secretory antigen of *Toxocara canis*, absorbed to 96-well Immulon II HB Flat Bottom plates. Serum is allowed to react with the antigen, and then horseradish peroxidase labeled anti-human IgG is added. The reaction is then visualized using TMB substrate. Optical density was determined on a vMax microplate reader and computer equipped with SOFTmax software (Molecular Devices Corp., Menlo Park, CA).

Quality control samples are included on every plate. All results are reported as positive or negative. A positive result indicates an infection with *Toxocara* sp. at some point in time. Titers to *Toxocara* may remain elevated for several years.

**Laboratory Quality Control and Monitoring**

The *Toxocara* EIA test is considered in control provided the quality control serum is within two standard deviations of its mean.

**Data Processing and Editing**

Data was received after all the antibody testing was complete. The data were not edited.

Data Access: All data are publicly available.
TWP Toxocara antibody
1= positive
2= negative

References


Locator Fields

Title: Antibody to Toxocara Larva Migrans
Contact Number: 1-866-441-NCHS
Years of Content: 1988-1994
First Published: January 2007
Revised: N/A
Access Constraints: None
Use Constraints: None
Geographic Coverage: National
Subject: Toxocara
Record Source: NHANES III (1988-1994)
Survey Methodology: NHANES III is a stratified multistage probability sample of the civilian non-institutionalized population of the U.S.
Medium: NHANES Web site; SAS transport files
Antibody to Toxocara (SSTOXO)
Person Level Data

First Published: January 2007
Last Revised: N/A
<table>
<thead>
<tr>
<th>SEQN</th>
<th>Target</th>
<th>Hard Edits</th>
<th>SAS Label</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B(4 Yrs. to 150 Yrs.)</td>
<td></td>
<td>Respondent sequence number</td>
</tr>
</tbody>
</table>

**English Text:** Respondent sequence number.

**English Instructions:**

<table>
<thead>
<tr>
<th>TWPN</th>
<th>Target</th>
<th>Hard Edits</th>
<th>SAS Label</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B(4 Yrs. to 150 Yrs.)</td>
<td></td>
<td>Toxocara antibody result</td>
</tr>
</tbody>
</table>

**English Text:** Toxocara antibody result

**English Instructions:**

<table>
<thead>
<tr>
<th>Code or Value</th>
<th>Description</th>
<th>Count</th>
<th>Cumulative</th>
<th>Skip to Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Positive</td>
<td>3333</td>
<td>3333</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Negative</td>
<td>18166</td>
<td>21499</td>
<td></td>
</tr>
<tr>
<td>.</td>
<td>Missing</td>
<td>1</td>
<td>21500</td>
<td></td>
</tr>
</tbody>
</table>