

Third National Health and Nutrition Examination Survey 1988–1994

Documentation, Codebook, and Frequencies

Surplus Sera Laboratory Component:

Insulin Like Growth Factor (IGF-I) and IGF Binding
Protein-3

Survey Years:
1988 to 1994

SAS Export File:
SSIGF.XPT



First Published: September 2006
Last revised: October 2006

NHANES III Data Documentation

Laboratory Assessment: Insulin Like Growth Factor (IGF-I) and IGF Binding Protein-3 (NHANES III Surplus Sera)

Years of Coverage: 1988-1994

First Published: September 2006

Last Revised: October 2006

Component Description

The insulin-like growth factor (IGF) axis, particularly IGF-I and IGF-binding protein-3 have been the subject of much attention because of their role in juvenile growth and their association with cancers at several sites. This data file contains results of the testing of 6061 serum samples for IGF-I and IGF-BP3 from adults age 20 or more years who attended the morning session of the examination after an overnight fast during the National Health and Nutrition Examination Survey III (NHANES III).

Eligible Sample

Fasting Subsample of Adults age 20 +

Description of Laboratory Methodology

IGF-I and IGFBP-3 was measured using standard laboratory protocols by Diagnostic Systems Laboratories Inc (DSL, Webster TX). DSL is one of the leading manufacturers and contract laboratories for the measurement of IGF and its binding proteins and we have had excellent results from their commercially available kits (1)

Laboratory Quality Control and Monitoring

A modified Levy Jennings Approach was used for Quality Control.

Data Processing and Editing

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

Data Access: All data are publicly available.

Analytic Notes

Please refer to the Analytic Guidelines for further details on the use of sample weights and other analytic issues.

References

1. Berrigan D, Perkins SN, Haines DC, Hursting SD. Adult onset calorie restriction and fasting delay spontaneous tumorigenesis in p-53 deficient mice. *Carcinogenesis* 2002; 23(5):817-822.

Locator Fields

Title: Insulin Like Growth Factor (IGF-I) and IGF Binding Protein-3

Contact Number: 1-866-441-NCHS

Years of Content: 1988-1994

First Published: September 2006

Revised: October 2006

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Insulin Like Growth Factor

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

**National Health and Nutrition Examination Survey
Codebook for Data Production (1988-1994)
(NHANES III)**

**Insulin Like Growth Factor (IGF-I) and IGF Binding Protein-3
(SSIGF)
Person Level Data**

First Published: September 2006
Last Updated: October 2006



SEQN	Target
	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

IGP_I	Target
	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Insulin Like Growth Factor-I (ng/ml)
English Text: Insulin Like Growth Factor-I (ng/ml)	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
11.15 to 872.63	Range of Values	6059	6059	
.	Missing	2	6061	

IGP_BP3	Target
	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	IGFBP-3 (ng/ml)
English Text: Insulin like Growth Factor Binding Protein-3 (ng/ml)	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
969 to 9835	Range of Values	6060	6060	
.	Missing	1	6061	