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It is entitled:

Waist Circumference to Weight and Age and Percent Bodyfat in Children in the General Population and in Children with Developmental Disabilities

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WAIST CIRCUMFERENCE TO WEIGHT AND AGE AND PERCENT BODYFAT IN CHILDREN IN THE GENERAL POPULATION AND IN CHILDREN WITH DEVELOPMENTAL DISABILITIES

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ABSTRACT

WAIST CIRCUMFERENCE TO WEIGHT AND AGE AND PERCENT BODY FAT IN CHILDREN IN THE GENERAL POPULATION AND CHILDREN WITH DEVELOPMENTAL DISABILITIES

The Center for Disease Control growth charts have been reliably and widely used to assess a child's growth and nutritional status. As it is often difficult to accurately measure children with developmental disabilities due to non-ambulation and the need for specialized equipment, an alternative measurement, such as waist circumference, may be a solution for helping patients, caregivers, and health professionals to assess a child's growth and nutritional. Studies suggest that waist circumference is a preferred measurement for its association with percent bodyfat, abdominal fat distribution, and increased cardiovascular risk. The purpose of this cross-sectional, correlation study was to generate growth charts in children with and without disabilities using waist circumference to predict weight, age, and bodyfat. New data was gathered to add to the general population that was collected intermittently since 1991 and to the disability population that was recently initiated in 2002. A cumulative total of 1993 subjects in the general population and 293 subjects in the developmental disabilities population were collected. Pearson correlation coefficients for both populations were determined for waist circumference to weight, age, percent bodyfat, and body mass index for males and females (0-36 months, 2-21 years, and 0-21 years). Significant correlations were found in the general population between waist circumference to weight and waist circumference to age for males and females 2-21 years and 0-21 years. Significant correlations were found in the combined disability population between waist circumference to weight for males and females 2-21 years, but waist circumference to age was not significantly correlated. Unlike the general population, percent body fat approached significance in children with developmental disabilities ages 2-21 years and 0-21 years. Development of a growth chart using waist circumference to weight and age for males and females ages 2-21 years is recommended for children in the general population and for children in the disability population. It appears that the addition of new data would continue to show high correlations.

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CHAPTER 1

INTRODUCTION

Anthropometric assessment refers to the measure of body dimension and composition with weight relative to height often utilized to help classify growth and nutritional status in individuals according to Mascararenhas *et al.*(1). Repeated measurements with emphasis on anthropometric measurements, body composition, and energy expenditure are important parts of nutritional intervention as they necessary to track the progress of one's overall health and well-being. Growth abnormalities could be identified earlier to prevent poor health consequences (2,3).

In 1977, the National Center for Health Statistics (NCHS) developed standardized growth charts with percentiles to improve identification of potential physical growth, nutritional or health problems of children in the Unites States. The large sample of children used helped to facilitate an epidemiological sample of children that would demonstrate both internal and external validity of its conclusions (4). These growth charts compared the anthropometric measurements of height to age, weight to age, weight to height, and head circumference to age of infants and children 0-36 months and 2-18 years. Although the NCHS growth charts were still used as tools in the assessing the nutritional status of children, the Center for Disease Control (CDC) released a revision of these growth charts in May 2000 to include a more representative distribution of data, particularly with birth weights that more closely matched the U.S. population (5). In addition, these revised CDC growth charts were improved by using statistical and graphical procedures and by creating a new comparison of body mass index to age (6).

Growth charts, specific to developmental disabilities, have been generated including references for Down Syndrome (7), spastic quadriplegic cerebral palsy (8), Prader-Willi syndrome (9), preliminary growth charts for myelomeningocele (10). These disability-specific charts provide helpful references that more accurately assess the nutritional status of children with developmental disabilities; however, they may show more variability than the CDC growth charts (2,3).

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Although regular monitoring of growth and nutritional status is important for all children, it is especially important for children with developmental disabilities. More specifically, malnutrition and retarded linear growth is common in children with spastic quadriplegic cerebral palsy as they showed significantly reduced measures of body size and body fatness when compared to the healthy children without spastic quadriplegic cerebral palsy (11). Malnutrition in children with developmental disabilities can be noted as either under and over nourished. Some common factors that can be associated with malnutrition are feeding problems, chronic under nutrition and deficiencies, atrophy of the lower extremities, and weakness or paralysis of extremities. Additionally, reduced height has been attributed by these factors as well. Malnutrition and retarded linear growth in children with developmental disabilities is sometimes more specific to a particular disability.

The benefit of assessing nutritional status with disability-specific growth charts is difficult and time-consuming as it is challenging to obtain accurate anthropometric measurements of children with developmental disabilities (3). Problems such as transferring difficulties, contractures, scoliosis, and excessive scar tissue are common in children with developmental disabilities. Furthermore, special equipment, such as wheelchair weight-scales, may not be routinely available in clinical settings (3).

Alternative growth and segmental measurements have been utilized in the past for the development of regression equations including knee height to predict height and knee height and mid arm circumference to predict weight. Yet, these equations are also time-consuming for clinicians and caregivers and allow room for calculations errors. Also, these prediction equations were developed from national surveys of healthy individuals without developmental disabilities which may inaccurately assess nutritional status in children with developmental disabilities (12). Therefore, it may be beneficial to generate disability-specific growth charts for alternative or segmental measurements such as knee height to determine height and waist circumference to determine weight. These growth charts would be modeled after the CDC charts and would be

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gender and age specific to provide a quick and effective way for clinicians to evaluate the nutritional and growth status of their patients with developmental disabilities. Another benefit of such an instrument would be allow caregivers, patients and other health care professionals to take a simple anthropometric measurements which they could then use to track their own nutrition status.

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REVIEW OF LITERATURE

Obtaining anthropometric measurements, such as height, weight, and head circumference are very important for assessing and monitoring the nutritional status of children. The CDC growth charts allow for growth measurements to be documented over short and long periods of time. Thus, measurements are plotted on a growth chart established by the National Center for Health Statistics (NCHS) and revised by the Center or Disease Control (CDC) to compare a child's growth and development with data from other children of the same age and gender. Feeding problems, poor nutrition, and weakness or paralysis of extremities are contributive factors related to poor growth and development of children with developmental disabilities or abnormalities. In the position statement of the American Dietetic Association regarding nutrition services for infants, children, and adults with developmental disabilities and special health care needs, the term "developmental disability" is defined as "those people whose cognitive disability or other disability is severe enough to require on-going coordinated services and support." (13) Thus, the assessing and monitoring of the nutritional status of children with developmental disabilities is particularly important because malnutrition including under and over nutrition often appears across the lifecycle.

Malnutrition can be distinctively related to the type of disability. Cerebral palsy is a developmental disability in which abnormalities are present in the nervous system which potentially leads to poor growth and inadequate fat stores and malnutrition. In a study conducted by Stallings et al (14), 60 percent of 142 children aged 2-18 years old had reduced mean values of weight and triceps skinfold, 80 percent had reduced means of subscapular skinfolds, and 90% had reduced means of muscle area when compared to the reference population. In addition, females were more likely to have a larger reduction in triceps and subscapular skinfolds than males. The significance of these growth reductions appeared to be linked to the impact of nutritional status. Early studies on assessing the nutritional status of children with cerebral palsy by Gouge and Ekvall (15) found that 32 percent of 118 children with cerebral palsy had weight for age plotting

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below the 3rd percentile. Furthermore, Bandini *et al* (16) found that 12 of 13 subjects with cerebral palsy aged 15 to 20 years had weights for age plotting below the 50th percentile and 6 subjects were below the 25th percentile. In addition, those subjects with cerebral palsy were found to have significantly lower fat free mass when compared to the normal population. Thus, this like many other articles reviewed, justifies the importance of anthropometry as a tool for measuring nutritional status in this population. Consequently, Krick et al constructed a foundation (9) to present growth reference standards for children with quadriplegic cerebral palsy. Findings revealed that the 50th percentile for weight for age for children with cerebral palsy was comparable to being below the 10th percentile on the National Center for Health Statistics (NCHS) growth charts. An additional comparison looking at the growth velocity of children with cerebral palsy showed that as these children increased in age, the intervals between the growth of children with cerebral palsy and children without disabilities increased, thus showing a larger gap in the percentile comparisons. Additionally, increased energy expenditure (16), self-feeding and mechanical-feeding problems, poor appetite (17), and oral-motor dysfunction (18) may contribute to poor intake and malnutrition.

Down Syndrome is a developmental disability characterized of an abnormality with the chromosome trisomy 21 that is associated with mental retardation. Children with Down Syndrome tend to have larger weights which arise in infancy and continue over the years. (8, 19, 20). Cronk et al. found that the mean values of weight for children with Down Syndrome were below what was considered normal for children without Down Syndrome between 3 months to about 2 years of age and from then on increased above normal between the 75th and 95th percentiles during childhood and adolescence (8). Chumlea et al. found that the percentage of overweight children with Down Syndrome was higher in females than in males (19). Research by Cronk *et al* furthermore supports Chumlea et al with similar conclusions that the mean weight of children with Down Syndrome was determined to be significantly larger than children without Down Syndrome typically beginning at about 4 to 6 years old (20). Individuals with

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myelomeningocele are often overweight for height. Fiore *et al* (21) found that 40 percent of 100 patients aged 6 months to 19 years were categorized as being overweight, which included weight-for-height for body mass index greater than the 95th percentile. Also, 34 percent of 100 patients had a height insufficiency and 12 of the 34 were obese. More interestingly, those patients who were overweight consumed an energy intake less than their own recommended daily allowances (RDA). Thus, this research suggests that there are multiple factors such as motor impairment, neurological problems, systemic problems, and energy intake that contribute to obesity in this population.

As children with developmental disabilities age and grow in height and weight, obesity becomes a problem with obtaining reliable and accurate measurements, especially since many are non-ambulatory. The use of a chair scale or bed scale is the most direct way in obtaining weights of non-ambulatory children, however, this equipment is often expensive and not all health care facilities have one available. Another way of obtaining the weight from a non-ambulatory child is to weigh the caregiver while he/she is holding the child and then subtract the weight of the caregiver alone. This method would work well for younger children, however as they age, a child may be too large or too heavy for the caregiver to hold.

Obviously, obtaining reliable weight measurements on children with developmental disabilities is cumbersome, and both of these methods are not universally reliable. Stevensen (22) emphasizes the importance of anthropometric measurements on children with developmental disabilities for their healthcare management. Thus, alternative measurements for assessing health and nutritional status should be considered. This thesis proposes the use of waist circumference as an alternative means for determining weight and percent body fat. Several studies have researched the alternative ways of obtaining height, but no published research has been found to examine the use of waist circumference to determine weight in either the general population or the developmental disabilities population.

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Waist circumference has been researched as an alternative index to predict adiposity, which is also investigated and analyzed in this thesis. Seidell et al. (23), Raikkonen et al. (24), Rankinen et al. (25), and Janssen et al. (26) have recognized waist circumference as a preferred measure for abdominal visceral adipose tissue in adult males and females. Seidell et al. found that the intra-abdominal fat area had the highest correlation with waist circumference in males less than 40 years old and greater than 65 years old and in females greater than 65 years old (23). Rankinen et al. also found waist circumference to be a better predictor of abdominal visceral fat in males than in females (25). Janssen et al. (26) found that a combination of waist circumference and body mass index in females correlated with total, nonabdominal, and abdominal subcutaneous fat, but for males, body mass index and waist circumference independent of one another showed better correlations. Waist circumference as an index for measuring abdominal fat is preferred because it is a simple, inexpensive, and reliable technique for predicting abdominal visceral fat. Lemieux et al. showed that changes in waist girth were closely associated with changes in visceral adipose tissue. More specifically, age and menopausal status in women significantly influenced the relationship between visceral adipose tissue and waist circumference. Results showed that younger women had a higher waist circumference than older women and thus had higher abdominal visceral fat (27). Beside adults, Taylor et al. (28) and Daniels et al. (29) found that waist circumference significantly correlated with body fat distribution in 580 children 3 to 19 years of age and 201 children 7 to 17 years of age.

Assessing visceral abdominal fat is important because a more central distribution of fat is associated with risk of diabetes mellitus and cardiovascular disease in both adults and children. The relationship between cardiovascular risk factors and waist circumference and body fat was previously explored by Sangi et al. (30) Seidell *et al* (31) found that a large waist circumference in adult men and women was associated significantly with low HDL-cholesterol concentrations ($p<0.05$), high fasting triglycerides, insulin and glucose concentrations ($p<0.01$). The study also found a large waist circumference in women alone was furthermore associated with high LDL-

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cholesterol concentrations and high blood pressure as it is in middle-aged men. This study also showed significant correlations existing between waist circumference and BMI (r=0.95 for men, r=0.95 for women) and between waist circumference and fat mass (r=0.96 for men, r=0.94 for women). Siani et al. also revealed that a greater extent of central adiposity was associated with higher prevalence of high blood pressure and insulin resistance (32). Savva *et al* (33) identified waist circumference and waist-to-hip ratio as better predictors of cardiovascular disease than BMI for children aged 10 to 14 years since they were not influenced by sex. Results showed that children who exceeded the 75th percentile for BMI, waist circumference, and waist-to-height ratio had significantly higher mean values for all cardiovascular risk factors with the exception of HDL-cholesterol, which was significantly lower. Maffies *et al* (34) supports this argument by concluding that of 818 prepubertal children aged 3 to 11 years old, children with waist circumferences greater than the 90th percentile possessed more multiple cardiovascular risk factors, than those who had waist circumferences less than the 90th percentile suggesting that prepubertal obese children may have larger intra-abdominal fat stores. Furthermore, 19 percent of these children with a waist circumference greater than the 90th percentile and 9 percent was less than or equal to the 90th percentile. Thus, waist circumference was recommended in clinical practice because it is more easily measured and more easily reproducible than skinfolds.

In addition to assessing abdominal visceral fat distribution, waist circumference has also been associated with percent body fat. Sarria *et al* (35) found that waist circumference, BMI, and triceps skinfold predicted total body fat content well in male children and adolescents using the reference method of underwater weighing for measuring body composition. Grogan and Ekvall (36) found that waist circumference significantly correlated with percent body fat in children with myelomeningocele. Another important finding that should be kept in mind, especially since this thesis focuses on children with developmental disabilities is that Lean *et al* (37) discussed in his research that waist circumference is becoming a more ideal index for measuring adiposity because it is weakly influenced by height.

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In addition to predicting abdominal adiposity and percent body fat, waist circumference can also be simply used to independently assess increased body weight. In addition, Janssen et al. found that BMI and waist circumference independently contribute to the prediction of abdominal, subcutaneous and visceral fat in men and women (26). Maffies *et al* (38) conducted the first study investigating anthropometric measurements with the highest prediction power of overweight in children. The study of 112 prepubertal children aged 8.7 ± 0.9 years showed that each centimeter increase at the age of 8 years doubled the risk of having a relative BMI greater than 120% at the age of 12 years. Thus, waist circumference may be a promising indicator to predict risk of obesity at puberty. Based on this study, regular self-monitoring of waist circumference may be a helpful tool for patients, caregivers, and health care professionals in order to address any needed changes necessary to prevent obesity.

Just as studies are performed to determine why measuring waist circumference is recommended, it is important to standardize the site of the waist circumference measurement. Wang et al. (39) compared waist circumference at four different measurements sites to determine which one is the most practical method for determining adipose tissue distribution. The four sites measured on males and females ages 7-83 years old include immediately below the lowest ribs (WC1), the narrowest part of the waist (WC2), the midpoint between the lowest rib and the iliac crest (WC3), and immediately above the iliac crest (WC4). Results showed that WC2 was a stronger predictor of total adipose tissues and visceral adipose tissue, however, WC4 had a higher correlation with total body fat than the waist circumference measurements at the other 3 sites (39). Thus, this current research study investigates the relationships between waist circumference to age, waist circumference to weight, waist circumference to percent body fat using a previously standardized technique by Snyder et al (40).

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Problem Statement

Anthropometric measurements of height and weight are essential tools in the assessment of and growth and nutritional status of children. The Centers for Disease Control (CDC) growth charts for height, weight, and head circumference provide easy growth comparisons to other children of the same age and gender. Regular monitoring of growth and nutritional status is necessary for all children, but it is particularly crucial for children with developmental disabilities and growth abnormalities because of the frequency of malnutrition and retarded linear growth. Unfortunately, the CDC growth charts are inappropriate for the population of developmental disabilities, specifically cerebral palsy, Down Syndrome, myelomeningocele, and craniofacial anomalies. Several disability-specific growth charts have been generated, but obtaining reliable and accurate measurements of height and weight are complicated and often impossible. Regression equations derived from alternative and segmental measurements have been developed which predict height and weight however, the equations are time-consuming and allow room for calculation errors. More importantly, these equations were developed from measurements obtained from national surveys of healthy, "normal" individuals, which as mentioned before, do not accurately affect the growth measurements of children with developmental disabilities. Since previous research findings on waist circumference have identified strong associations with independently assessing increased body weight, percent body fat, central body-fat distribution; the waist circumference measurement could be helpful in identifying and monitoring body weight in children with developmental disabilities. This thesis proposes generating such alternative growth charts based on predicting weight from waist circumference that model the CDC growth charts. These charts would provide clinicians with a simple yet reliable means of assessing the growth of children with developmental disabilities of the same age and gender. Over nutrition and under nutrition along with the health risks associated with malnutrition could be identified early and possibly prevented with the use of these growth charts. Parents and caregivers could also use the charts to monitor the nutritional status of their children at home.

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Rationale for the Statement of Hypothesis

Obtaining measurements of weight for many infants and children with developmental disabilities, specifically Down's Syndrome, myelomeningocele, cerebral palsy, and craniofacial anomalies, are difficult to do due to little or no ambulation and lack of specialized weighing equipment. However, regular monitoring of accurate and reliable measurements of weight is necessary for managing the healthcare needs of this population because these children often acquire malnutrition. Although segmental measurements have been utilized as an alternative for predicting height, the use of alternative measurements for predicting weight have not yet been investigated. Multiple research studies have focused on waist circumference presenting strong associations with assessing increased body weight, central body fat distribution, percent bodyfat, and cardiovascular risk factors. Thus, the anthropometric measurement of waist circumference may possibly provide a helpful and accessible alternative solution in monitoring body weight, especially in children with developmental disabilities. The purpose of this research study is to eventually generate growth charts based on the alternative measurement of waist circumference for predicting weight, waist circumference for predicting percent body fat. Waist circumference and weight measurements will be collected from two target populations of male and female children from birth through twenty-one years of age. Data collected from children in the general population with no known developmental disabilities or growth abnormalities will be compiled with the data of previous investigators to increase the size and strength of the control population. Data collected from children with developmental disabilities will also be added to the data of previous investigators to increase the size and strength of the control population. Based on the preceding rationale, the following hypotheses were constructed:

1) A significant correlation ($r \geq 0.80$) will exist between waist circumference and weight for children in the general population without known developmental disabilities or growth abnormalities.

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2) A significant correlation ($r \geq 0.80$) will exist between waist circumference and weight for children with known developmental disabilities or growth abnormalities.
3) A significant correlation ($r \geq 0.80$) will exist between waist circumference and age for children in the general population without known developmental disabilities or growth abnormalities.
4) A significant correlation ($r \geq 0.80$) will exist between waist circumference and age for children with known developmental disabilities or growth abnormalities.
5) A significant correlation ($r \geq 0.80$) will exist between waist circumference and percent body fat for children in the general population without known developmental disabilities or growth abnormalities.
6) A significant correlation ($r \geq 0.80$) will exist between waist circumference and percent body fat for children with known developmental disabilities or growth abnormalities.

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Limitations

Different researchers have been involved in the intermittent collection of anthropometric measurements for this research study. Training for the collection of the data took place with Roche and Chumlea at the Fels Institute prior to the first data collection in 1991. These techniques are also described by Ekvall (12). The training established standard data collection procedures to be followed by future researchers. Thus, minimal differences may exist in collection techniques among the researchers involved in the study.

Throughout the statistical analysis, several different experts were consulted since 1991 from the University of Cincinnati Department of Environmental Health Division of Epidemiology, Biostatistics, and Bioinformatics and from the Department of Mathematical Sciences Statistical Consulting Lab. Also, there may have been different versions of the SAS program used. Analysis conducted from different versions of SAS could result in minor alterations in the data, but not enough to cause any noticeable differences at the decimal.

Anthropometric measurements were not equally gathered for each of the four disabilities, cerebral palsy, Down syndrome, myelomeningocele, and craniofacial anomalies. Some groups of data did not have enough data to generate particular analyses. Thus, data analysis of the developmental disabilities population was run for all disabilities combined to obtain greater statistical power.

Data collection is almost completed for the general population and for the population of children with developmental disabilities or growth abnormalities so that the current portion of the study planned will be used to generate growth charts, which were to be modeled after the Centers for Disease Control growth charts. However, the development of these growth charts was not possible during this portion of the study because the current researchers did not have the expertise available to accurately model the CDC growth charts. Therefore, future researchers will need to be involved in further research and contact with the statisticians involved in the development of the CDC growth charts.

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CHAPTER II

METHODOLOGY

Subjects

The two populations for this research are children in the general population with no known disabilities or growth abnormalities and children diagnosed with a developmental disability or growth abnormality, specifically those children with myelomeningocele, Down's syndrome, cerebral palsy, and craniofacial anomalies with developmental delay. Each population consists of males and females ages 0-252 months. Age in months was grouped into increments of twelve months resulting in twenty-one different categories. Each age category was additionally categorized by gender.

The original objective of this study in 1991 was to collect data on ten males and ten females for each age category for ages 0-228 months for this population of children with no known developmental disabilities or growth abnormalities. This research conducted by previous investigators led to the intermittent collection of subjects assigned to ID numbers 1 through 1809. For the current part of this study, the one aim was to contribute to the overall number of subjects from the general population of children with no known developmental disabilities or growth abnormalities for analysis. Data collected was focused on younger subjects' ages 0-36 months and older subjects' age of the population 216-252 months in order to even out the age distribution and thus are consistent with the CDC growth charts. Anthropometric measures were collected on a total of one-hundred and eighty-seven subjects represented by ID numbers 1810 through 1997. A second goal was to also continue collecting anthropometric measures of children with developmental disabilities, specifically children with myelomeningocele, cerebral palsy, Down syndrome, and craniofacial anomalies. Data was collected from one-hundred and thirty-two subjects to analyze this portion of the research represented by ID numbers 161 through 293.

Data collected on subjects from the general population took place at Finneytown High School, Winton Woods Middle School, and Mount Healthy High School and Middle School in

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the greater Cincinnati area. The school principal was first contacted Shirley Ekvall, Director of Nutrition, followed by a letter (Appendix A, p. 46) explaining the studies purpose and methods. Permission slips (Appendix B, p. 47) were sent to the school and then based on the Institutional Review Board (IRB) approval for this research study, the principal obtained consent from parents and caregivers. In addition, verbal content from each individual student was also obtained on the day growth measurements were acquired. Data were also collected at the Pediatric Care office on Winton Road in the greater Cincinnati area. The office manager was contacted for permission to conduct anthropometric measurements on patients and then verbal consent from parents or caregivers was requested prior to obtaining individual measurements. Anthropometric measurements of children with developmental disabilities were collected through clinics at Cincinnati Children's Division of Developmental Disabilities. Data were collected as part of the standard comprehensive nutritional assessment and follow-up procedures conducted in all clinics. All anthropometric measurements were performed by two trained researchers.

Design and Materials

Initiated by White in 1991, this is a cross-sectional, correlation study. The ultimate objective of this study is to compile all collected anthropometric data and generate growth charts based on alternative measures of height and weight. The specific aim of this current research study is to generate growth charts using waist circumference as an alternative measure of predicting weight. Procedures used by Snyder *et al* (40) were replicated in order to standardize collection techniques and to guarantee consistency of the anthropometric measurements among the trained researchers (Appendix C, p. 48-53). Data collection sheets recorded the subject's first and last initial, race, age, birth date, and anthropometric data (Appendix D, p. 54). For those children with myelomeningocele, lesion level and mode of ambulation were also recorded. The procedure for data entry, list of file names, and the collected data in each file can be viewed in Appendix E (p. 55-56). Comprehensive anthropometric measures taken throughout the entirety of this research include height, weight, arm span, head circumference, waist circumference,

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abdominal circumference, upper arm length, upper arm circumference, knee height, calf circumference, thigh circumference, subscapular skinfold, triceps skinfold, and medial calf skinfold, lateral calf skinfold, and anterior thigh skinfold. Snyder *et al* (40) used multiple methods to measure height and weight. Height measurements included using a non-stretchable tape measure, a recumbent measuring board, and a stadiometer. Weight measurements included using a weight scale, a beam scale, and an infant scale, which were all calibrated. A non-stretchable tape measure was used to obtain measures of circumference and Lange calipers were used to obtain skinfolds. The measures of particular importance for this study included weight and waist circumference even though all the previously stated measurements were collected. In addition, equations outlined by Slaughter *et al* (41) on triceps, calf, and subscapular skinfolds were used to calculate percent body fat within the SAS program.

Statistical Analysis

Statistical analysis was performed using the SAS statistical package. For the population of children without developmental disabilities or growth abnormalities, analysis was performed on all compiled data for the ID numbers1 through 1997. For this population of children with developmental disabilities or growth abnormalities, analysis was performed on the data collected from the current portion of the research study for the ID numbers 1 through 293. The combined population with developmental disabilities or growth abnormalities and also each of the four individual disability populations (craniofacial anomalies, myelomeningocele, Down syndrome, and cerebral palsy) were also analyzed using SAS statistical package. Subjects were grouped into six subset groups for analysis. The subject subsets are as follows:

Males 0-36 months	Females 0-36 months
Males 2-21 years	Females 2-21 years
Males 0-21 years	Females 0-21 years

The subset of 0-21 years is collapsed data from the subset 0-36 months and 2-21 years and was utilized in order to improve and generalize the curves for age in years. Pearson's correlation

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coefficients were performed on each of the subject subsets for the compiled general population, the combined population with developmental disabilities or growth abnormalities, and for each of the four individual disability populations. These correlation coefficients evaluated the strength of the correlation between waist circumference to weight, waist circumference to age, waist circumference to percent body fat 1, waist circumference to percent body fat 2, and waist circumference to body mass index. Linear regression graphs were also derived from SAS statistical program for each of the subject subsets for the compiled general population and the combined population with developmental disabilities or growth abnormalities. For the four individual disabilities, linear regression graphs were generated only for the compiled age subset of 0-21 years for males and females. These graphs provided a visual relationship between the variables of waist circumference to weight, waist circumference to age, waist circumference to percent body fat 1, and waist circumference to percent body fat 2. In addition, these graphs allowed for the identification of any outliers. Identified outliers were traced back to the original data collecting sheets which were reviewed to determine if the outlier was the result of inaccurate data entry. All inaccurate data entries were corrected and the remaining outliers were removed from the program and placed in a separate file. Previous researchers had cleaned the data for the general population and with the addition of our data. The separate file which includes a list of all subjects and data points removed from the analysis of the disability population is located in Appendix F (p. 57-58).

The ultimate goal of this research study was to generate growth charts for the waist circumference with reference to weight and age. In the initial steps of generating growth charts, restricted cubic spline graphs were developed for each of the three target populations of interest and categorized into each of the previously mentioned subject subsets. This type of graph allows for a more flexible fit of the data points compared to the linear regression graphs. Lastly, preliminary growth charts using the LMS method were developed for males and females 0-21

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years in the general population for waist circumference to weight and age. The LMS method was utilized in order to further smooth the curves and to provide the addition of percentiles.

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TABLE 1

Description of Subjects by Age and Gender-General Population- 2002 to 2003 Research

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	0
		Female	0
12-23	1	Male	0
		Female	0
24-35	2	Male	1
		Female	0
36-47	3	Male	0
		Female	2
48-59	4	Male	1
		Female	0
60-71	5	Male	0
		Female	0
72-83	6	Male	0
		Female	0
84-95	7	Male	1
		Female	1
96-107	8	Male	0
		Female	1
108-119	9	Male	0
		Female	2
120-131	10	Male	0
		Female	1
132-143	11	Male	0
		Female	0
144-155	12	Male	19
		Female	23
156-167	13	Male	27
		Female	40
168-179	14	Male	16
		Female	13
180-191	15	Male	6
		Female	0
192-203	16	Male	6
		Female	12
204-215	17	Male	9
		Female	4
216-227	18	Male	3
		Female	0
228-239	19	Male	0
		Female	0
240-251	20	Male	0
		Female	0
252-263	21	Male	0
		Female	0

Total number of 2002-2003 subjects= 188
Males= 89/188 or 47.3%
Females= 99/188 or 52.7%

By Race:
Caucasians=87/188 or 46.3%
African Americans= 96/188 or 51.1%
Hispanics= 4/188 or 2.1%
Asian American=1/188 or 0.5%
Native American=0/188 or 0%

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TABLE 2

Description of Subjects by Age and Gender-Intermittent-General Population- 1991 to 2003 Research

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	47
		Female	42
12-23	1	Male	51
		Female	38
24-35	2	Male	57
		Female	56
36-47	3	Male	39
		Female	40
48-59	4	Male	65
		Female	56
60-71	5	Male	40
		Female	37
72-83	6	Male	24
		Female	26
84-95	7	Male	26
		Female	26
96-107	8	Male	23
		Female	36
108-119	9	Male	39
		Female	37
120-131	10	Male	27
		Female	27
132-143	11	Male	20
		Female	28
144-155	12	Male	45
		Female	47
156-167	13	Male	57
		Female	71
168-179	14	Male	64
		Female	47
180-191	15	Male	53
		Female	44
192-203	16	Male	58
		Female	56
204-215	17	Male	47
		Female	37
216-227	18	Male	61
		Female	69
228-239	19	Male	74
		Female	80
240-251	20	Male	87
		Female	86
252-263	21	Male	1
		Female	1

Total number of 1991-2003 subjects= 1993
Males= 1006/1993 or 50.5%
Females= 986/1993 or 49.5%

By Race:
Caucasians=1591/1993 or 79.8%
African Americans= 321/1993 or 16.1%
Hispanics= 52/1993 or 2.6%
Asian American=18/1993 or 0.9%
Native American=10/1993 or 0.5%

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TABLE 3

Description of Subjects by Age and Gender-Combined Disability Population-2002 to 2003 Research

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	1
		Female	1
12-23	1	Male	5
		Female	1
24-35	2	Male	8
		Female	4
36-47	3	Male	8
		Female	5
48-59	4	Male	6
		Female	2
60-71	5	Male	7
		Female	5
72-83	6	Male	3
		Female	5
84-95	7	Male	7
		Female	4
96-107	8	Male	1
		Female	2
108-119	9	Male	6
		Female	5
120-131	10	Male	1
		Female	6
132-143	11	Male	4
		Female	2
144-155	12	Male	5
		Female	0
156-167	13	Male	5
		Female	1
168-179	14	Male	1
		Female	6
180-191	15	Male	2
		Female	1
192-203	16	Male	2
		Female	1
204-215	17	Male	0
		Female	1
216-227	18	Male	1
		Female	0
228-239	19	Male	3
		Female	3
240-251	20	Male	1
		Female	2
252-263	21	Male	0
		Female	0

Total number of 2002-2003 subjects= 133
Males= 76/133 or 57.1%
Females= 57/133 or 42.9%

By Race:
Caucasians=113/133 or 85.0%
African Americans= 15/133 or 11.3%
Hispanics= 4/133 or 3.0%
Asian American=2/133 or 1.5%
Native American=0/133 or 0%

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TABLE 4

Description of Subjects by Age and Gender-Combined Disability Population-2001 to 2003 Research

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male Female	6 6
12-23	1	Male Female	9 11
24-35	2	Male Female	12 8
36-47	3	Male Female	14 15
48-59	4	Male Female	9 14
60-71	5	Male Female	14 9
72-83	6	Male Female	12 11
84-95	7	Male Female	12 6
96-107	8	Male Female	6 7
108-119	9	Male Female	9 7
120-131	10	Male Female	4 11
132-143	11	Male Female	7 6
144-155	12	Male Female	8 4
156-167	13	Male Female	9 5
168-179	14	Male Female	3 7
180-191	15	Male Female	5 1
192-203	16	Male Female	3 2
204-215	17	Male Female	0 4
216-227	18	Male Female	1 3
228-239	19	Male Female	3 3
240-251	20	Male Female	2 2
252-263	21	Male Female	1 2

Total number of 2001-2003 subjects= 293
Males= 149/293 or 50.9%
Females= 144/293 or 49.1%

By Race:
Caucasians=252/293 or 86.0%
African Americans= 31/293 or 10.6%
Hispanics= 6/293 or 2.0%
Asian American=4/293 or 1.2%
Native American=0/293 or 0%

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TABLE 5

Description of Subjects by Age and Gender-Disability Population Separated–Craniofacial Anomalies

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	0
		Female	0
12-23	1	Male	0
		Female	0
24-35	2	Male	0
		Female	1
36-47	3	Male	4
		Female	5
48-59	4	Male	2
		Female	5
60-71	5	Male	6
		Female	5
72-83	6	Male	7
		Female	5
84-95	7	Male	4
		Female	0
96-107	8	Male	3
		Female	2
108-119	9	Male	3
		Female	0
120-131	10	Male	0
		Female	2
132-143	11	Male	5
		Female	0
144-155	12	Male	4
		Female	0
156-167	13	Male	1
		Female	2
168-179	14	Male	1
		Female	2
180-191	15	Male	2
		Female	0
192-203	16	Male	0
		Female	1
204-215	17	Male	0
		Female	0
216-227	18	Male	0
		Female	0
228-239	19	Male	0
		Female	1
240-251	20	Male	0
		Female	0
252-263	21	Male	0
		Female	0

Total number of 2001-2003 subjects= 73
Males= 42/73 or 57.5%
Females= 31/73 or 42.5%

By Race:
Caucasians= 64/73 or 87.7%
African Americans= 6/73or 8.2%
Hispanics= 0/73 or 0%
Asian American= 3/73 or 4.1%
Native American= 0/73 or 0%

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TABLE 6

Description of Subjects by Age and Gender-Disability Population Separated-Myelomeningocele

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	4
		Female	5
12-23	1	Male	6
		Female	7
24-35	2	Male	2
		Female	4
36-47	3	Male	5
		Female	6
48-59	4	Male	2
		Female	6
60-71	5	Male	3
		Female	3
72-83	6	Male	0
		Female	2
84-95	7	Male	4
		Female	4
96-107	8	Male	1
		Female	4
108-119	9	Male	2
		Female	4
120-131	10	Male	2
		Female	5
132-143	11	Male	2
		Female	4
144-155	12	Male	1
		Female	3
156-167	13	Male	7
		Female	2
168-179	14	Male	1
		Female	2
180-191	15	Male	2
		Female	1
192-203	16	Male	2
		Female	0
204-215	17	Male	0
		Female	3
216-227	18	Male	1
		Female	2
228-239	19	Male	1
		Female	2
240-251	20	Male	2
		Female	2
252-263	21	Male	1
		Female	2

Total number of 2001-2003 subjects= 124
Males= 51/124 or 41.1%
Females= 73/124 or 57.9%

By Race:
Caucasians= 111/124 or 89.5%
African Americans= 8/124 or 6.5%
Hispanics= 5/124 or 4.0%
Asian American= 0/124 or 0%
Native American= 0/124 or 0%

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TABLE 7

Description of Subjects by Age and Gender-Disability Population Separated-Down Syndrome

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male	2
		Female	1
12-23	1	Male	1
		Female	4
24-35	2	Male	2
		Female	1
36-47	3	Male	1
		Female	2
48-59	4	Male	2
		Female	2
60-71	5	Male	0
		Female	0
72-83	6	Male	2
		Female	3
84-95	7	Male	0
		Female	1
96-107	8	Male	0
		Female	1
108-119	9	Male	1
		Female	3
120-131	10	Male	0
		Female	0
132-143	11	Male	0
		Female	0
144-155	12	Male	2
		Female	1
156-167	13	Male	0
		Female	0
168-179	14	Male	0
		Female	3
180-191	15	Male	1
		Female	0
192-203	16	Male	1
		Female	0
204-215	17	Male	0
		Female	0
216-227	18	Male	0
		Female	0
228-239	19	Male	0
		Female	0
240-251	20	Male	0
		Female	0
252-263	21	Male	0
		Female	0

Total number of 2001-2003 subjects= 37
Males= 15/37 or 40.5%
Females= 22/37 or 59.5%

By Race:
Caucasians= 33/37 or 89.2%
African Americans= 3/37 or 8.1%
Hispanics= 0/37 or 0%
Asian American=1/37 or 2.7%
Native American=0/37 or 0%

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TABLE 8

Description of Subjects by Age and Gender-Disability Population Separated-Cerebral Palsy

Age (months)	Age (years)	Gender	# of Subjects
0-11	0	Male Female	0 0
12-23	1	Male Female	1 0
24-35	2	Male Female	8 2
36-47	3	Male Female	4 2
48-59	4	Male Female	3 1
60-71	5	Male Female	5 1
72-83	6	Male Female	3 1
84-95	7	Male Female	4 1
96-107	8	Male Female	2 0
108-119	9	Male Female	3 0
120-131	10	Male Female	2 4
132-143	11	Male Female	0 2
144-155	12	Male Female	1 0
156-167	13	Male Female	1 1
168-179	14	Male Female	1 0
180-191	15	Male Female	0 0
192-203	16	Male Female	0 1
204-215	17	Male Female	0 1
216-227	18	Male Female	0 1
228-239	19	Male Female	2 0
240-251	20	Male Female	0 0
252-263	21	Male Female	0 0

Total number of 2001-2003 subjects= 59
Males= 41/59 or 69.5%
Females= 18/59 or 30.5%

By Race:
Caucasians= 44/59 or 74.6%
African Americans= 14/59 or 23.7%
Hispanics= 1/59 or 1.7%
Asian American= 0/59 or 0%
Native American=0/59 or 0%

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CHAPTER III

RESULTS AND DISCUSSION

Data were collected on 188 subjects from the general population without known developmental disabilities or growth abnormalities (Table 1, p.20) ranging in age from 24-227 months (males n=89, females n=99, Caucasian n=87, African American n=96, Hispanic n=4, Asian American=1). This data was added to the previously collected intermittent data for a cumulative total of 1993 subjects ranging in age from 1 to 252 months. The demographics of the compiled general population were 50.5% males, 49.5% females, and 79.8% Caucasian, 16.1% African American, 2.6% Hispanic, 0.9% Asian, and 0.5% Native American. Age and sex characteristics of the general population are furthered summarized in Table 2 (p.21).

For the population with known developmental disabilities or growth abnormalities, the data collection process was initiated and anthropometric measurements were taken on 133 subjects with craniofacial anomalies (n=35), myelomeningocele (n=42), Down syndrome (n=12), and cerebral palsy (n=44). These subjects ranged in age from 2 to 252 months and demonstrated demographics of 57.1% males, 42.9% females, and 86.0% Caucasian, 11.3% African-American, and 3.0% Hispanic, and 1.5% Asian American. Age and sex characteristics of the developmental disabilities population both combined and separated are further summarized in Tables 3-7 (p. 22-26).

Not all measurements were obtained on all children due to time constraints in clinics, inability to obtain measurements, and/or lack of subject cooperation. A printout of the collected data from the compiled general population is located in Appendix G (p. 59-128) followed by a printout of the data collected from the developmental disabilities population. Pearson correlation coefficients are located in Table 8-14 (p.27-39). Linear regression graphs are located in Appendix H (p. 129-305). Restricted cubic spline graphs are located in Appendix I (p. 306-389). LMS graphs are located in Appendix I (p. 390).

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Of particular interest for the subjects with no known developmental disabilities or growth abnormalities was the significant correlations between waist circumference and weight for both males and females within the following groups: 2-21 years (males r=*0.94, females r=*0.87) and 0-21 years (males r=*0.95, females r=*0.89). The comparison of waist circumference to age also demonstrated significant correlations for males and near significance for females in the same age subsets, 2-21 years (males r=*0.84, females r=0.71) and 0-21 years (males r=*0.87, females r=0.76). The correlations of waist circumference to weight and waist circumference to age became stronger from ages 0-36 months to ages 2-21 years for both males and females. For the compiled age subset of 0-21 years, these correlations strengthened compared to 2-21 years.

Waist circumference to percent bodyfat 1 and percent bodyfat 2 did not even approach a significant correlation within any of the three age subsets for males and females in the general population. The correlation between waist circumference to bodyfat 1 for males and females became stronger from ages 0-36 months to 2-21 years then slightly weakened once the data was compiled to 0-21 years. Waist circumference to body fat 2 correlations however became stronger with age for both males and females, but only females continued to strengthen for the compiled age subset of 0-21 years while the males slightly weakened.

The comparison of waist circumference to body mass index in the general population with no known disabilities or abnormalities demonstrated significant correlations in males and near significance for females in the same age subsets, 2-21 years (males r=*0.84, females r=0.78) and 0-21 years (males r=*0.82, females r=0.73). Waist circumference to body mass index correlations however became stronger with age for both males and females and then slightly weakened for the compiled age subset of 0-21 years.

Of particular interest for the combined population of children with developmental disabilities, were the significant correlations between waist circumference and weight for both males and females in the following groups: 2-21 years (males r=*0.92, females r=*0.01) and 0-21 years (males r=0.92, females r=0.91). The correlations of waist circumference to weight and waist

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circumference to age became stronger from ages 0-36 months to 2-21 years for both males and females then remained the same once the data was compiled to 0-21 years.

Waist circumference to percent bodyfat did not demonstrate a significant correlation in the combined disability population for males and females ages 0-36 months, 2-21 years, and 0-21 years with regards to bodyfat 1 and bodyfat 2. Waist circumference to bodyfat 2 approached significance in males 2-21 years (r=0.73). Significance was not demonstrated between waist circumference and bodyfat 1 in all age groups in the combined disability population. The correlation between waist circumference to bodyfat 1 for females became stronger from 0-36 months to 2-21 years then strengthened once the data was compiled to 0-21 years. For males, the correlation became stronger as the ages increased from 0-36 months to 2-21 years then slightly weakened once the data was compiled to 0-21 years. Waist circumference to bodyfat 2 correlation became stronger for males and females ages 0-36 months to 2-21 years and then slightly weakened or remained the same when compiled to 0-21 years. Waist circumference to body mass index showed significance in females 2-21 years (r=*0.92) and 0-21 years (*r=0.90), but males only showed significance with 2-21 years (r=*0.82) and yet, weakened when compile to 0-21years (r=0.78).

The population with developmental disabilities was also analyzed by individual disability. Correlations could not be generated for males and females 0-36 months with craniofacial anomalies as there were no subjects for this age subset. Correlations for waist circumference to weight for children with craniofacial anomalies demonstrated significance for both males and females in the remaining subsets, 2-21 years (males r=*0.93, females r=*0.94) and 0-21 years (males r=*0.93, females r=*0.94). Waist circumference to age and waist circumference to bodyfat 1 and bodyfat 2 for children with craniofacial anomalies did not demonstrate any significant correlations for males or females. Correlations for waist circumference to body mass index for children with craniofacial anomalies demonstrated significance for both males and females in the subsets: 2-21 years (males r=*0.91, females

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r=*0.92) and 0-21 years (males r=*0.91, females r=*0.92). No comparison can be made as to a strengthening or weakening among age subsets as the 0-36 month group was not available.

Children with myelomeningocele were found to have significant correlations between waist circumference and weight for the following groups: 2-21years (males r=*0.92, females=*0.88); and 0-21 years (males r=*0.93, females r=*0.91). Waist circumference to age only showed a significant correlation within females ages 0-36 months (r=*0.85). Correlations of waist circumference to weight became stronger for males and females from ages 0-36 months to 2-21 years and then again once the data was compiled to 0-21 years. Waist circumference to age correlations however became stronger as the ages increased. Waist circumference to percent bodyfat 1 did not show significance for any group for children with myelomeningocele, but was near significance for only males ages 2-21 years (r=0.76). Correlations of waist circumference to bodyfat 2 showed significance for males 2-21 years (r=*0.84) and approached significance for 0-21 years (r=0.77). Waist circumference to bodyfat 1 correlations strengthened for males and females from ages 0-36 months to 2-21 years and continued to strengthen for only females once the data was compiled to 0-21 years while weakening the males correlation. Waist circumference to bodyfat 2 correlations became stronger for females 0-36 months to 2-21 years then slightly weakened for males while slightly strengthening for females once the data was compiled to 0-21 years.

Correlations of waist circumference to body mass index in children with myelomeningocele showed significance for both males and females 2-21 years (males r=*0.84, females r=*0.92) and for both 0-21 years (males r=*0.80, females r=*0.91). Waist circumference to bodyfat 1 and 2 correlations strengthened for males and females ages 0-36 months to 2-21 years and then weakened once the data was compiled to 0-21 years.

For children with Down syndrome, significant correlations existed between waist circumference to weight and for waist circumference to age in both females and females 2-21 years and 0-21 years. Waist circumference to weight correlations became stronger for both males

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from ages 2-21 years (r=*o.85) to 0-21 years (r=*0.88). Waist circumference to weight correlations remained the same for females from ages 2-21 years (r=*0.95) to 0-21 years (r=*0.95). Waist circumference to age correlations became stronger for males from 2-21 years (r=*0.92) to 0-21 years (r=*0.93) and females slightly weakened from 2-21 years (r=*0.83) to 0-21 years (r=*082).

Correlations between waist circumferences and percent bodyfat 1 did not show significant correlations in any age group. However, males 2-21 years showed a significant correlation in waist circumference to percent body fat 2 (r=*0.83) and again when compiled to 0-21 years (r=*0.83). No comparison can be made as to a strengthening or weakening in the correlations of waist circumference to percent bodyfat among the age subsets of 0-36 month group was not available. Waist circumference to body mass index showed a significant correlation in females 2-21 years (r=*0.93) and again when compiled to 0-21 years (r=*0.91)

Both males and females with cerebral palsy are the significant correlations between waist circumference to weight in the following groups: 0-36 months (females r=*1.00); 2-21 years (males r=*0.94, females r=*0.93); and 0-21 years (males r=*0.94, females r=*0.93). Waist circumference to age only approached significant correlations for following groups: ages 2-21 years (males r=0.77, females r=0.75); and 0-21 years (males r=0.78, females r=0.75). Waist circumference to weight for males from ages 0-36 months to 2-21 years strengthened and then remained the same once the data was compiled to 0-21 years. Waist circumference to age correlations weakened for females and strengthened for males from ages 0-36 months to 2-21 years for males then slightly strengthened or remained the same once the data was compiled to 0-21 years.

Waist circumference to percent bodyfat 1 and bodyfat 2 in children with cerebral palsy did not demonstrate a significant correlation for all groups with the exception of percent bodyfat 1 and 2 for females ages 0-36 months (r=*1.00, r=*1.000). Waist circumference to percent bodyfat 2 in males became stronger from ages 0-36 months to 2-21 years and then slightly

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weakened once the data was compiled to 0-21 years. Waist circumference to percent bodyfat 2 in females became weaker as the ages increased. Waist circumference to body mass index showed significance in the following groups: 0-36 months (females r=*1.00); 2-21 years (males r=*0.85, females r=*0.82); and for 0-21 years (females r=*0.82).

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TABLE 9

PEARSON CORRELATION COEFFICIENTS General Population-Combined Data		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	0.6967	0.6418
Waist Circumference: Age	0.3889	0.4590
Waist Circumference: Body Fat 1	0.3575	0.3432
Waist Circumference: Body Fat 2	0.1972	0.3331
Waist Circumference: Body Mass Index	0.3385	0.3023
2-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.9378	*0.8671
Waist Circumference: Age	*0.8429	0.7056
Waist Circumference: Body Fat 1	0.3923	0.5642
Waist Circumference: Body Fat 2	0.4463	0.5068
Waist Circumference: Body Mass Index	*0.8439	0.7817
0-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.9463	*0.8869
Waist Circumference: Age	*0.8712	0.7579
Waist Circumference: Body Fat 1	0.3846	0.5549
Waist Circumference: Body Fat 2	0.4393	0.5285
Waist Circumference: Body Mass Index	*0.8164	0.7296

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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TABLE 10

PEARSON CORRELATION COEFFICIENTS Disabilities Population-Combined Data		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	0.0792	0.5320
Waist Circumference: Age	0.0144	0.0732
Waist Circumference: Body Fat 1	0.7295	0.5685
Waist Circumference: Body Fat 2	0.7134	0.4012
Waist Circumference: Body Mass Index	- - -	0.5503
2-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8430	*0.8279
Waist Circumference: Age	0.5417	0.4367
Waist Circumference: Body Fat 1	0.4953	0.6978
Waist Circumference: Body Fat 2	0.7906	0.5879
Waist Circumference: Body Mass Index	0.7199	*0.8413
0-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8461	*0.8364
Waist Circumference: Age	0.5543	0.4787
Waist Circumference: Body Fat 1	0.5877	0.7043
Waist Circumference: Body Fat 2	0.6192	0.7898
Waist Circumference: Body Mass Index	0.7123	*0.8155

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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TABLE 11

PEARSON CORRELATION COEFFICIENTS Disabilities Population-Separated Data-Craniofacial Anomalies		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	- - -	- - -
Waist Circumference: Age	- - -	- - -
Waist Circumference: Body Fat 1	- - -	- - -
Waist Circumference: Body Fat 2	- - -	- - -
Waist Circumference: Body Mass Index	- - -	- - -
2-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8599	*0.8855
Waist Circumference: Age	0.4266	0.5452
Waist Circumference: Body Fat 1	0.5043	0.4290
Waist Circumference: Body Fat 2	0.5970	0.6994
Waist Circumference: Body Mass Index	*0.8224	*0.8388
0-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8599	*0.8855
Waist Circumference: Age	0.4266	0.5452
Waist Circumference: Body Fat 1	0.5043	0.4290
Waist Circumference: Body Fat 2	0.5970	0.6694
Waist Circumference: Body Mass Index	*0.8224	*0.8388

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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TABLE 12

PEARSON CORRELATION COEFFICIENTS **Disabilities Population-Separated Data-Myelomeningocele**		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	0.1494	0.7230
Waist Circumference: Age	0.4919	0.2457
Waist Circumference: Body Fat 1	0.7006	0.2643
Waist Circumference: Body Fat 2	0.4208	0.4345
Waist Circumference: Body Mass Index	- - -	0.4204
2-21 Years (r=)	Males	Females
Waist Circumference: Weight	*0.8542	0.7828
Waist Circumference: Age	0.4407	0.3579
Waist Circumference: Body Fat 1	0.3525	0.5490
Waist Circumference: Body Fat 2	0.7974	0.5903
Waist Circumference: Body Mass Index	0.7122	*0.8486
0-21 Years (r=)	Males	Females
Waist Circumference: Weight	*0.8696	*0.8219
Waist Circumference: Age	0.5106	0.4773
Waist Circumference: Body Fat 1	0.0005	0.5745
Waist Circumference: Body Fat 2	0.7220	0.6013
Waist Circumference: Body Mass Index	0.6428	*0.8208

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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TABLE 13

PEARSON CORRELATION COEFFICIENTS Disabilities Population-Separated Data-Down Syndrome		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	0.2401	0.1986
Waist Circumference: Age	0.2274	0.0001
Waist Circumference: Body Fat 1	- - -	- - -
Waist Circumference: Body Fat 2	- - -	- - -
Waist Circumference: Body Mass Index	- - -	0.4926
2-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	0.7265	*0.9112
Waist Circumference: Age	*0.8462	0.6888
Waist Circumference: Body Fat 1	1.0000	0.7701
Waist Circumference: Body Fat 2	- - -	0.0091
Waist Circumference: Body Mass Index	0.1418	*0.8649
0-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	0.7685	*0.8969
Waist Circumference: Age	*0.8569	0.6709
Waist Circumference: Body Fat 1	1.0000	*0.8432
Waist Circumference: Body Fat 2	- - -	0.0001
Waist Circumference: Body Mass Index	0.1693	*0.8293

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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TABLE 14

PEARSON CORRELATION COEFFICIENTS Disabilities Population-Separated Data-Cerebral Palsy		
0-36 Months (r=)	**Males**	**Females**
Waist Circumference: Weight	0.1670	1.0000
Waist Circumference: Age	0.2739	1.0000
Waist Circumference: Body Fat 1	1.0000	1.0000
Waist Circumference: Body Fat 2	1.0000	0.3785
Waist Circumference: Body Mass Index	- - -	1.0000
2-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8868	*0.8583
Waist Circumference: Age	0.5888	0.5655
Waist Circumference: Body Fat 1	0.2542	0.7744
Waist Circumference: Body Fat 2	*0.9094	0.4167
Waist Circumference: Body Mass Index	0.7224	0.6745
0-21 Years (r=)	**Males**	**Females**
Waist Circumference: Weight	*0.8839	*0.8583
Waist Circumference: Age	0.6011	0.5655
Waist Circumference: Body Fat 1	0.3164	0.7744
Waist Circumference: Body Fat 2	0.4167	*0.9094
Waist Circumference: Body Mass Index	0.6251	0.6745

* Indicates a significant correlation ($r \geq 0.80$)
- - - Indicates that a correlation could not be generated

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CHAPTER IV

CONCLUSIONS AND RECOMMENDATIONS

For children in both the general population and disability population, significant correlations were found among males and females ages 2-21 years and in the compiled data of 0-21 years between waist circumference and weight. Waist circumference to age correlated significantly for males and approached significance for females ages 2-21 years and in the compiled data of 0-21 years within the general population. In the population combining all children with developmental disabilities, the relationship between waist circumference to weight was also significant in males and females 2-21 years of age an also when the data was compiled to 0-21 years. In contrast to the general population, waist circumference to age in the combined disability population was not demonstrated. More interestingly, waist circumference to body mass index was significant in males 2-21 years and 0-21 years in the general population, but this relationship existed in only females 2-21 years and 0-21 years in the combined disability population.

The correlations between waist circumference, weight, and age seen in the children from both populations were weaker for all variables of the age subset of 0-36 months compared to the age subset of 2-21 years. These correlations became stronger or remained the same from 2-21 years once the data was compiled to include ages 0-21 years. For waist circumference to percent bodyfat, correlations were again weaker for all variables for the age subset of 0-36 months compared to the age subset of 2-21 years. Most of the correlations of waist circumference to percent bodyfat 1 and 2 weakened from 2-21 years once the data was compiled to include ages 0-21 years.

Because the current portion of this research study is only the second years of initiating data collection from the population of children with developmental disabilities, the limited number of subjects obtained for each of the individual disabilities greatly influenced the correlations that were generated with the exception of data gathered on children with

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myelomingocele. Children with myelomeningocele represented the largest amount of data collected for the disability population. For this individual disability group, significant correlations were found between waist circumference and weight for males and females ages 2-21 years and when the data was compiled to 0-21 years. In addition, females with myelomeningocele in the age subset 0-36 months showed significance between waist circumference and weight. Waist circumference to percent bodyfat 2 in males ages 2-21 years was significant, but when the data was compiled to 0-21 years, the relationship decreased to approach significance.

For the individual disability group of children with Down Syndrome, significant correlations were found between waist circumference and weight and waist circumference to age for both males and females ages 2-21 years and also when the data was compiled to 0-21 years. In addition, males with Down Syndrome in the age subset 2-21 years and 0-21 years showed significance between waist circumference and percent bodyfat 2. For the individual disability group of children with Cerebral Palsy, significant correlations were found between waist circumference and weight for both males and females ages 2-21 years and also when the data was compiled to 0-21 years. In addition, males with Cerebral Palsy approached significance in the relationship between waist circumference to age in the age subset 2-21 years and again when compile to 0-21 years. For the individual disability group of children with Craniofacial Anomalies, significant correlations were found between waist circumference and weight for both males and females ages 2-21 years and also when the data was compiled to 0-21 years. Furthermore, females with Cerebral Palsy approached significance in the relationship between waist circumference to age in the age subset 2-21 years and again when compile to 0-21 years. Further collection of anthropometric measurements from children representing the other disabilities is necessary to determine if better or more relationships exist.

Based on the significant relationships between waist circumference and weight and waist circumference and age gathered from a significant sample size of children from the general population without known developmental disabilities or growth abnormalities, the future

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development of growth charts for males and females ages 2-21 years which predict weight from waist circumference is recommended. Due to smaller sample size of males and females age 0-36 months from the general population, more emphasis should be placed on collecting data from age subset to determine if the addition of more data may improve correlations so that growth charts defend the importance for generating growth charts for this younger age subset as well. If correlations do not improve with increased data collection from this age group, then a growth chart based on the compiled data for 0-21 years could be generated because the correlations remained as strong, and in some cases increased in strength, once the data from 0-36 months and 2-21 years were compiled together.

Because data collection from the disability population was just initiated in 2002, recommending the development of growth charts for this population will require further data collection, however, it is speculated that the significant correlations demonstrated between waist circumference and weight in the combined disability population and for children with myelomeningocele and children with Down Syndrome will remain strong with the addition of more data. Future researchers should additionally continue to investigate the relationship between waist circumference and bodyfat within the disability population.

Regular monitoring of growth and nutritional status is important for all children but especially critical for children with developmental disabilities because malnutrition and retarded linear growth is common. Regular monitoring of weight is essential aspect of managing the healthcare needs of this population however; obtaining accurate measures of weight may be difficult as a result of physical constraints as well as lack of specialized weighing equipment. This research study has shown waist circumference to be a viable alternative method to determining weight for children in the general population as well as for children with developmental disabilities. Growth charts generated to predict weight from waist circumference measurements would provide patients, caregivers, physicians, and other health care professionals with a simple yet reliable means of assessing the growth of children with developmental disabilities and would

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allow for the comparison of these measurements to other children with developmental disabilities of the same age and gender. Over nutrition and under nutrition along with the health risks associated with malnutrition could be identified early and possibly prevented with the use of these growth charts. In addition to growth charts, parents and caregivers could also be sent home with a plastic tape measure to perform and record measurements periodically, especially waist circumference, as a way to monitor the nutritional status of their children at home.

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APPENDIX A

SCHOOL PRINCIPAL CONSENT

Dear,

Nutrition graduate students at the University of Cincinnati and Cincinnati Children's Division of Developmental Disabilities (CCDDD), as part of their individual master's thesis, are gathering anthropometric data on children age 0-20 years. The anthropometric data will include the following measurements: height, weight, upper arm length, knee height, waist circumference, triceps skinfold, arm span, upper arm circumference, calf skinfold and subscapular skinfold. These measurements (which will take no more than 10 minutes total time) also will be available to the students/parents upon request. Parental consent, as well as verbal consent for each measurement will be obtained from each student, although measurements should not cause any discomfort. The information obtained will remain strictly confidential and will only be released in an anonymous form.

The measurements will be performed at the school during gym class. We greatly appreciate your assistance in the completion of this thesis. If you have any questions please contact us at (513) 636-4614.

Thank you for allowing this to be possible.

Sincerely,

Shirley Ekvall Ph.D., RD, LD
Chief of Nutrition Services, CCDDD
Professor, University of Cincinnati

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APPENDIX B

PARENTAL CONSENT FORM

Dear Parent,

The Nutrition Department of the Cincinnati Children's Division of Developmental Disabilities, Children's Hospital Medical Center, is conducting research involving height, weight, skinfold, circumferential, and segmental measurements of children and adolescents aged 0-21 years.

A trained nutritionist will take the measurements. This will take no longer than 10 minutes and will pose no risk or discomfort to the student. The verbal consent of the student will be required before each measurement is taken.

The information we obtain will remain strictly confidential and will only be released in anonymous form. Thank you for your cooperation and please call 636-4614 with any questions you may have.

Sincerely,

Shirley Ekvall

Shirley M. Ekvall, PhD, RD, LD, FAAMD
Chief of Nutrition Services, CCDDD
Children's Hospital Medical Center
Professor, University of Cincinnati

"I, the undersigned, understand the purpose of this study is to take height, weight, skinfold, and circumferential measurements on my son or daughter. I have been informed that there is no health hazard or discomfort to my child associated with this, and that participation is voluntary. I further understand that these data are confidential and I agree to allow publication of my and all data collected on my son or daughter if presented in an anonymous form."

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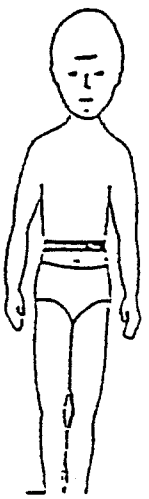
APPENDIX C

WAIST CIRCUMFERENCE

Standing: Take measure two times to the nearest 0.5 centimeters.

Equipment: Flexible or plastic coated tape measure.

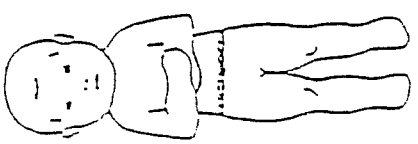
* Have subject stand with feet together, weight evenly distributed and arms hanging at sides. With tape measure, measure the horizontal circumference at approximately two inches above the umbilicus during normal breathing.



Recumbent: Take measure two times to the nearest 0.5 centimeters.

Equipment: Flexible or plastic coated tape measure.

* Infant lies on back with legs fully extended. Measure the circumference just below the level of the iliac crest and above the level of the greater trochanter in a plane perpendicular to the torso.



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APPENDIX C (cont.)

WEIGHT

Children: Weight two times to the nearest 100 grams.

Equipment: Beam scale with the capacity from 220-350 pounds for children over 13.6 kilograms with a support pillar.

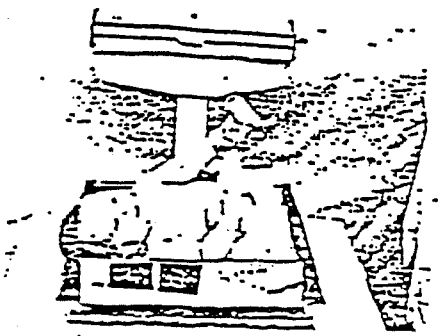
* Child is to remove shoes and all extra clothing.
* The scales are balanced.
* The child is asked to stand on the scale facing the beam with hands on hips or support pillar.
* The child is asked to step off platform after each weighing.

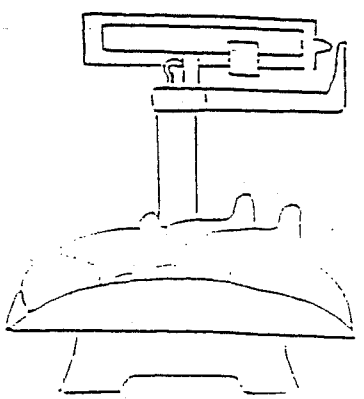
Infants and Children Under 30 Pounds: Weigh two times to the nearest 30 grams.

Equipment: Infant scale for children under 13.6 kilograms.

* All clothes are removed.
* The scales are balanced.
* The child is placed on the scale.
* The child is removed after each weighing.







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APPENDIX C (cont.)

MEASUREMENT INSTRUCTIONS

HEIGHT

Standing: Take measurement two times to the nearest 0.5 centimeter.

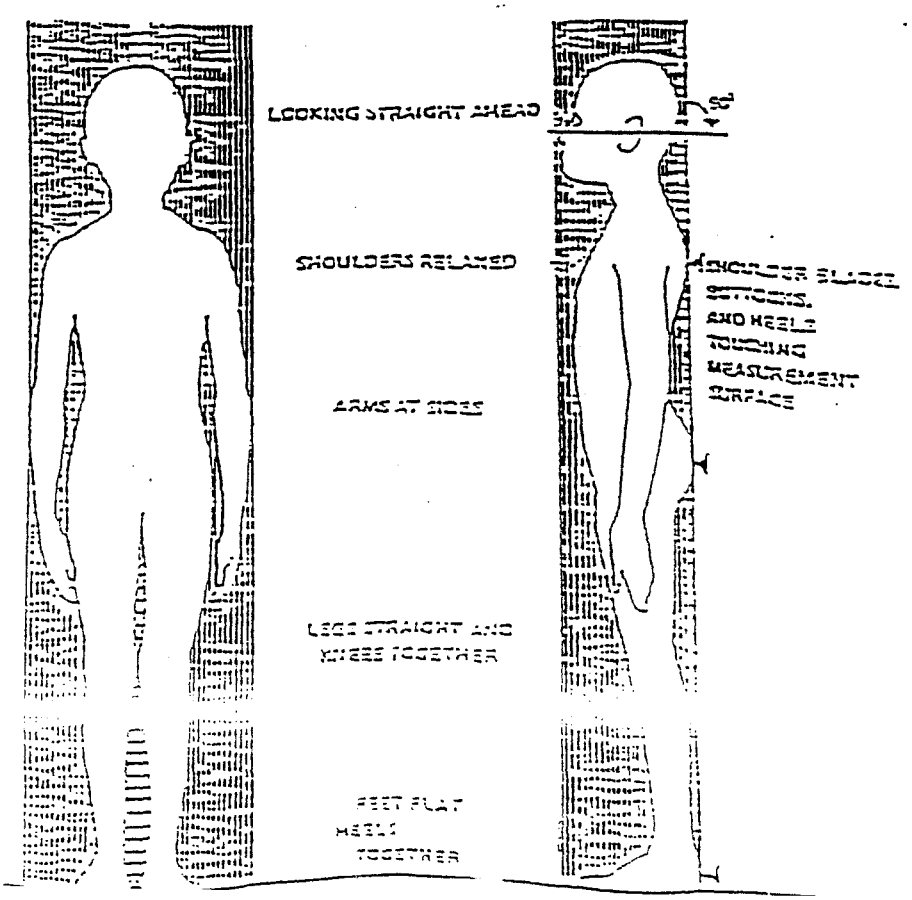
Equipment: Dermographic pencil, flexible or plastic coated tape, a leveler, clipboard or block.

* The subject stands against the tape or stadiometer with shoes removed. Heels, lower back and shoulders should be touching the wall or door frame.
* A block of wood or clipboard should be lowered to make firm contact with subject's scalp.

Recumbent: Take measurement two times to the nearest 0.5 centimeter.

Equipment: A rigid measuring board or headboard and two people.

* The child lies on his back in the center of the measuring board.
* One person holds the crown of his head against the headboard.
* The measurer grips both ankles with one hand and places the child's heels firmly against the food board, which is manipulated with the other hand. If the infant's knees are flexed, they should be firmly but gently pressed down on the table with the lateral edge of the hand.



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KNEE HEIGHT RATIO

Tape Measure: Take measurement two times to the nearest 0.5 centimeters.

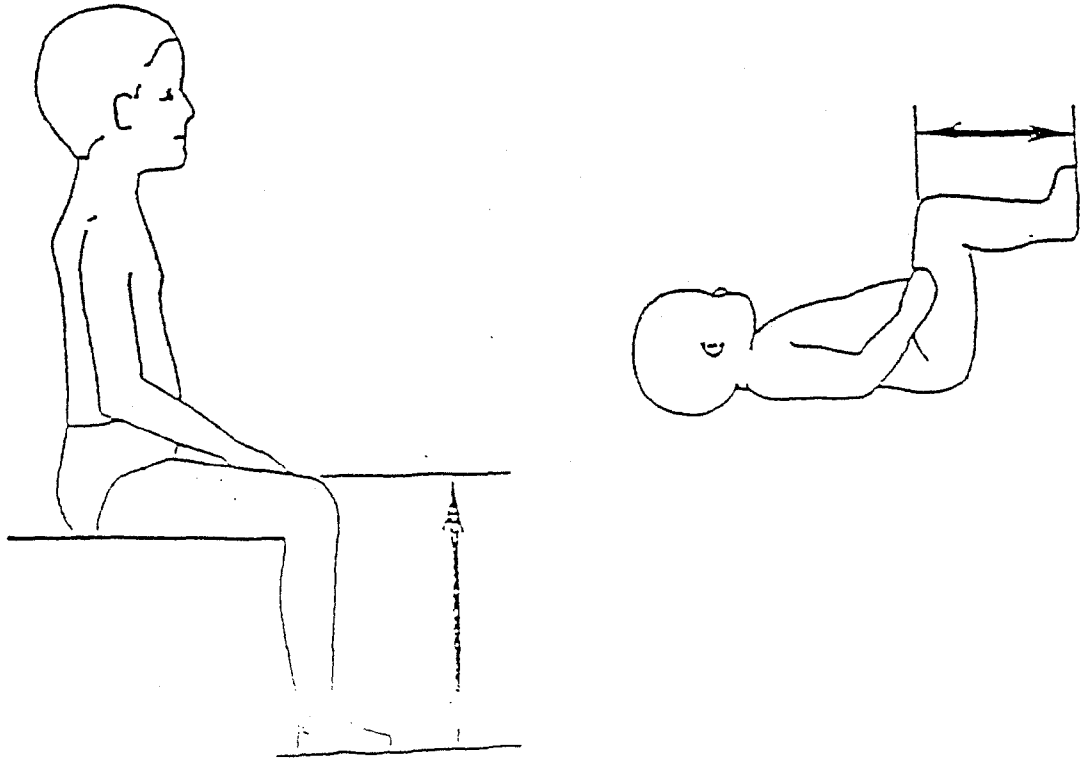
Equipment: Flexible or plastic coated tape measure.

* Have subject sit with right knee bent at a 90 degree angle at the knee. Measure the distance from the top of the knee to the bottom of the heel.

Sliding Caliper: Take measurement two times to the nearest 0.5 centimeters.

Equipment: Sliding caliper.

* Have subject sit with right knee bent at a 90 degree angle at the knee. Place the bottom of the caliper below the right heel and bring the top of the caliper to just posterior to the head of the fibula. Pressure is lightly applied to compress tissue.



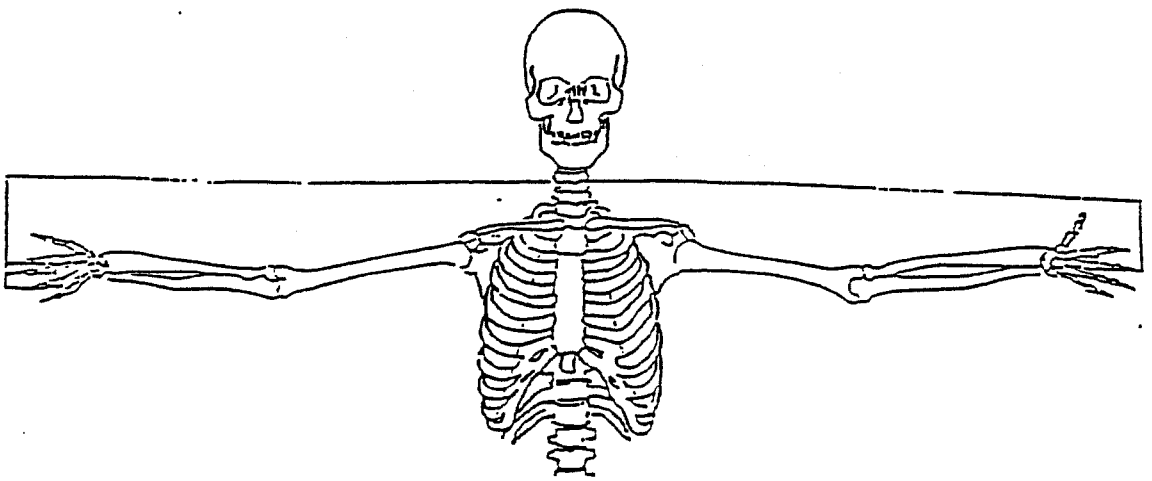
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ARMSPAN

Take measurement two times.

Equipment: Tape measure

* Have subject standing or recumbent, with arms spread out and palms facing forward. Make sure arms are in line with shoulders and parallel to the floor. Using the tape measure, measure the distance parallel to the floor from index finger of one hand, behind the back, to the index finger of the other hand.



Drawing adapted from The Anatomy Coloring Book by Wynn Kapit and Lawrence M. Elson, Harper and Row Publishers, Inc., 1977. Used with permission.

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UPPER ARM LENGTH

Tape measure: Take measurement two times to the nearest 0.5 centimeters.

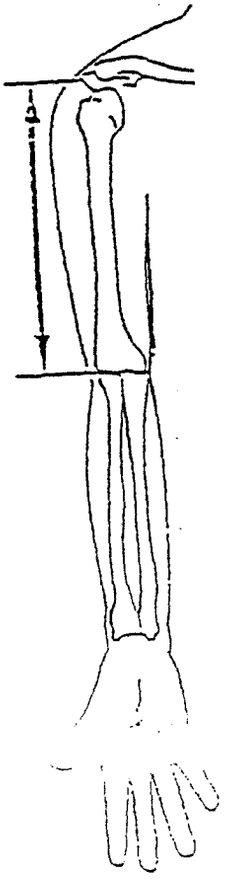
Equipment: Plastic coated or flexible tape measure.

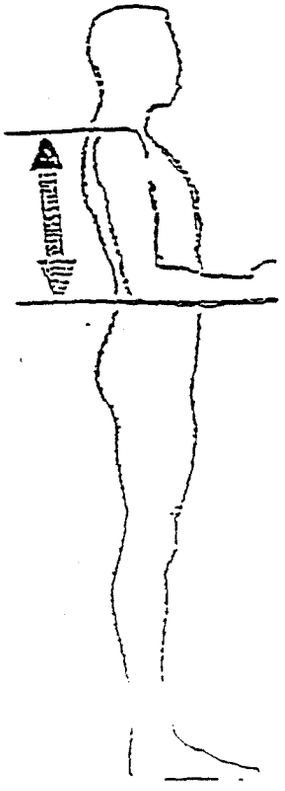
* With subject standing with right arm bent at a 90° angle at the elbow measure the distance from the superior surface of the right shoulder to the interior surface at the forearm just above the elbow parallel to the long axis of the upper arm.

Sliding Calipers: Take measurement two times to the nearest 0.5 centimeters.

Equipment: Sliding calipers.

* With subject standing with right arm bent at a 90° angle at the elbow place the bottom right elbow into the bottom angle of the anthropod and measure to the superior surface of the right shoulder. Compress tissue by applying light pressure.





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APPENDIX D

DATA COLLECTION SHEET

1" = 2.54 cm
1 kg = 2.2 lb

Name (initials or code only)_____

Date _____** Race _____**

** 1. Sex: Male ____ Female ____

2. Age (0-18 years): _____ years _____ months Birth date: _____

** 3. Age in months: _____

4. Head circumference: _____ cm

** 5. Height or length (recumbent or standing, circle one): _____cm

** 6. Weight: _____kg

** 7. Upper Arm Length: _____cm 8. Total Arm Length: _____cm

** 9. Arm Span: _____cm 10. Upper Arm Circumference: _____cm**

** 11. Tricep Skinfold: _____mm 12. Waist Circumference: _____cm**

** 13. Abdominal Skinfold: _____mm 14. Thigh Circumference: _____cm

15. Anterior Thigh Skinfold: _____mm 16. Calf Circumference: _____cm

** 17. Lateral Calf Skinfold: _____mm 18. Medial Calf Skinfold: _____cm

19. Anterior Chest Skinfold: _____mm 20. Subscapular Skinfold: _____cm **

21. Knee Height: _____** 22. Abdominal Circumference: _____cm **

ONLY IF SPINA BIFIDA

23. Level of Lesion:
High _____ Second thoracic through second lumbar vertebrae
Med _____ Third and fourth lumbar vertebrae affected
Low _____ Fifth lumbar through second sacral vertebrae

24. Ambulation:
Crutches _____ Ambulatory
Wheelchair_____ Other (specify) _____
Braces _____ Braces & Walker _____

** MOST IMPORTANT INFORMATION

Cincinnati Children's Hospital Medical Center
Division of Developmental Disabilities
Nutrition Department, Rm. E-3713
3333 Burnet Ave., Cincinnati, OH 45229

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APPENDIX E

FILE DESCRIPTIONS

GENERAL1_03.SAS7BDAT:	All general population data collected from 1991-2002
DISABILITY1_03SAS7BDAT:	All disability population data collected from 2001-2002
NEWANALYSIS.SAS:	Program used for generating Pearson correlation coefficients, linear regression graphs, and raw percentiles
DISABILITY.SAS:	Program used for generating restricted cubic spline graphs in the disability population
GENERAL.SAS:	Program used for generating restricted cubic spline graphs in the general population
TRACY012904.SAS7BDAT:	All general population data collected from 1991-2003
DISABILITY.SAS7BDAT:	All disability population data collected from 2001-2002
PGM040304.SAS:	Program used for generating Pearson correlation coefficients, linear regression graphs, raw percentiles, and generating restricted cubic spline graphs

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APPENDIX E (cont)

FORMAT FOR DATA ENTRY

ID	Identification Number
SEX	Gender (Males = 1, Females = 2)
RACE	Caucasian = 1 African-American = 2 Hispanic = 3 Asian-American = 4, Native American = 5
AGE	Age in Months
HEADCIRC/HEAD	Head Circumference in Centimeters
HEIGHT	Height in Centimeters
WEIGHT	Weight in Kilograms
TOTARM	Total Arm Length in Centimeters
ARMSPAN	Arm Span in Centimeters
UPCAL/UPTAPE	Upper Arm Length in Centimeters
TRICEPSK/TRISF	Triceps Skinfold in Millimeters
BICEPSKF	Biceps Skinfold in Millimeters
WAIST	Waist Circumference in Centimeters
ABDOMSKF/ABDOMINAL	AbdominalSkinfold in Millimeters
CALFSKF	Calf Skinfold in Millimeters
CALFCIRC	Calf Circumference in Centimeters
SUBSCAP	Subscapular Skinfold in Millimeters
KNEETAPE	Knee Height in Centimeters
UPCIRC	Upper Arm Circumference in Centimeters
BODYF1/BOD FAT 1/BODYFAT1	Percent Body Fat (Triceps Skinfold + Calf Skinfold)
BODYF2/BOD FAT 2/BODYFAT2	Percent Body Fat (Triceps Skinfold + Subscapular Skinfold)
BMI	Body Mass Index
DISABILITY	Craniofacial Anomalies = 1 Myelomeningocele = 2 Down Syndrome = 3 Cerebral Palsy = 4 Combined Disabilities = 6
LESION LEVEL	Lesion or Sac Level for Children with Myelomeningocele S = Sacral (low) = 1 L = Lumbar (middle) = 2 T = Thoracic (high) = 3

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APPENDIX F

OUTLIERS-DEVELOPMENTAL DISABILITY POPULATION

Subject # 31	Removed waist circumference-too large
Subject # 43	Removed weight and waist circumference-too large
Subject # 69	Removed waist circumference-too large
Subject # 70	Removed height-measurement or recording error
Subject # 75	Removed knee height-abnormally small
Subject # 93	Removed height-measurement or recording error
Subject # 119	Removed waist circumference-measurement or recording error

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APPENDIX F (cont)

OUTLIERS-GENERAL POPULATION

Subject # 1810 Removed waist circumference-too large

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APPENDIX G

PRINTOUT OF COLLECTED DATA
GENERAL POPULATION
1991-2003
Identification Numbers
1-1993

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1.00	2.00	1.00	7.00		63.50	10.00		65.00			50.00
2.00	2.00	1.00	5.00		53.30	7.40					51.00
3.00	2.00	1.00	4.00		60.90	6.70		59.60			47.00
4.00	2.00	1.00	7.00								
5.00	2.00	1.00	11.00		70.40	10.00		70.50			51.00
6.00	1.00	1.00	5.00		50.80	7.90					50.00
7.00	1.00	1.00	7.00								46.00
8.00	1.00	1.00	9.00								52.00
9.00	1.00	1.00	1.00								56.00
10.00	1.00	1.00	7.00								52.50
11.00	2.00	1.00	16.00			12.70					49.00
12.00	2.00	1.00	23.00		67.30	13.60					51.50
13.00	2.00	1.00	20.00		68.50	11.40					46.00
14.00	2.00	1.00	15.00		63.50	12.40					50.00
15.00	2.00	1.00	21.00								45.00
16.00	1.00	1.00	23.00		81.30	13.20		81.30			51.00
17.00	1.00	1.00	21.00		73.70	12.30					52.00
18.00	1.00	1.00	20.00		76.20	13.20		76.00			56.00
19.00	1.00	1.00	13.00								53.00
20.00	1.00	1.00	13.00								52.00
21.00	2.00	1.00	25.00		83.80	16.80					52.00
22.00	2.00	1.00	35.00		102.00	19.10					47.00
23.00	2.00	1.00	34.00								50.00
24.00	2.00	1.00	33.00								48.00
25.00	2.00	1.00	27.00								45.00
26.00	1.00	1.00	39.00		81.30	17.30					49.00
27.00	1.00	1.00	34.00		88.90	19.10					54.00
28.00	1.00	1.00	32.00		92.70	15.00					48.00
29.00	1.00	1.00	31.00								50.00
30.00	1.00	1.00	35.00								52.00
31.00	2.00	1.00	43.00								53.00
32.00	2.00	1.00	45.00		102.00	19.00					51.50
33.00	2.00	1.00	44.00		107.00	17.80					53.00
34.00	2.00	1.00	37.00		96.00						
35.00	2.00	1.00	43.00		104.00	18.60					49.00
36.00	1.00	1.00	37.00		111.00	17.70		112.00			54.50
37.00	1.00	1.00	36.00		102.00	19.10		102.00			52.50
38.00	1.00	1.00	47.00		104.00	15.50		104.00			48.50
39.00	1.00	1.00	39.00								57.00
40.00	1.00	1.00	40.00								54.00
41.00	2.00	1.00	59.00		107.00	18.20		106.00			52.00
42.00	2.00	1.00	48.00		107.00	18.90		107.00			53.50
43.00	2.00	1.00	57.00		104.00	20.00		104.00			55.50
44.00	2.00	1.00	51.00		107.00	17.70		107.00			56.00
45.00	2.00	1.00	50.00		108.00	20.20		108.00			52.50
46.00	1.00	1.00	49.00		99.10	18.20		99.00			49.00
47.00	1.00	1.00	50.00		114.00	19.40		114.00			49.00
48.00	1.00	1.00	52.00		114.00	19.30		114.00			53.50
49.00	1.00	1.00	50.00		116.00	20.40		116.00			53.50
50.00	1.00	1.00	50.00		117.00	22.50		117.00			53.50
51.00	1.00	1.00	48.00		98.00	15.00		98.00			48.00
52.00	2.00	4.00	70.00		109.00	19.50		109.00			53.00
53.00	2.00	1.00	69.00		112.00	18.20		112.00			52.00
54.00	2.00	1.00	68.00		117.00	20.90		117.00			47.00
55.00	2.00	1.00	66.00		117.00	30.90		117.00			73.00
57.00	2.00	1.00	64.00		114.00	19.10		114.00			52.00
58.00	1.00	1.00	67.00		112.00	21.40		112.00			52.00
59.00	1.00	1.00	69.00		122.00	24.50		122.00			56.00
60.00	1.00	1.00	69.00		119.00	26.80		119.00			60.00
61.00	1.00	1.00	70.00		117.00	28.20		117.00			66.00
62.00	1.00	1.00	71.00		117.00	20.90		117.00			56.00
63.00	1.00	1.00	60.00		109.00	19.50		109.00			53.00
64.00	2.00	1.00	73.00		117.00	20.00		116.00			48.00
65.00	2.00	1.00	72.00		114.00	19.50		115.00			49.00
66.00	2.00	1.00	83.00		122.00	23.20		122.00			61.00
67.00	2.00	1.00	90.00		122.00	20.50		122.00			50.00
68.00	2.00	1.00	80.00		125.00	28.60		125.00			62.00
69.00	2.00	1.00	77.00		117.00	25.50		117.00			56.00
70.00	2.00	1.00	77.00		114.00	20.90		114.00			52.50
71.00	2.00	1.00	76.00		117.00	20.00		117.00			
72.00	1.00	1.00	76.00		117.00	22.30		117.00			53.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
73.00	2.00	1.00	75.00		116.00	18.20		117.00			48.00
74.00	2.00	1.00	75.00		122.00	25.90		122.00			54.00
75.00	1.00	1.00	83.00		122.00	29.10		122.00			59.00
76.00	1.00	1.00	72.00		114.00	18.60		115.00			50.00
77.00	1.00	1.00	82.00		119.00	20.90		120.00			50.00
78.00	1.00	2.00	78.00		125.00	23.20		125.00			58.00
79.00	1.00	1.00	76.00		114.00	20.90		115.00			51.50
80.00	2.00	1.00	84.00		117.00	22.30		117.00			56.00
81.00	2.00	1.00	85.00		122.00	22.70		122.00			54.00
82.00	2.00	1.00	95.00		125.00	27.30		125.00			58.00
83.00	2.00	1.00	89.00		114.00	21.80		114.00			50.50
84.00	2.00	1.00	88.00		127.00	25.00		127.00			52.00
85.00	2.00	1.00	88.00		119.00	20.00		120.00			53.00
86.00	2.00	1.00	87.00		125.00	22.70		125.00			51.50
87.00	2.00	1.00	86.00		122.00	31.80		122.00			59.00
88.00	1.00	1.00	85.00		125.00	28.20		125.00			62.00
89.00	1.00	1.00	95.00		127.00	37.70		127.00			74.00
90.00	1.00	1.00	92.00		137.00	27.70		138.00			59.00
91.00	1.00	1.00	92.00		137.00	30.50		137.00			56.00
92.00	1.00	1.00	90.00		127.00	33.20		127.00			70.00
93.00	1.00	1.00	90.00		125.00	25.00		125.00			54.50
94.00	1.00	1.00	87.00		122.00	23.60		122.00			56.00
95.00	2.00	1.00	96.00		127.00	24.50		127.00			53.00
96.00	2.00	1.00	97.00		130.00	26.40		130.00			55.50
97.00	2.00	1.00	101.00		135.00	27.30		135.00			54.00
98.00	2.00	1.00	101.00		119.00	23.20		120.00			54.00
99.00	2.00	1.00	104.00		137.00	30.90		137.00			54.00
100.00	2.00	1.00	98.00		117.00	23.60		117.00			55.00
101.00	2.00	1.00	101.00		127.00	29.10		127.00			55.00
102.00	2.00	1.00	98.00		117.00	20.50		117.00			55.00
103.00	1.00	1.00	106.00		132.00	28.60		132.00			59.00
104.00	1.00	1.00	104.00		132.00	31.80		132.00			63.00
105.00	1.00	1.00	106.00		135.00	35.50		135.00			62.50
106.00	1.00	1.00	107.00		130.00	26.40		130.00			54.50
107.00	1.00	1.00	97.00		130.00	31.40		130.00			55.00
108.00	1.00	1.00	97.00		140.00	32.70		140.00			80.00
109.00	2.00	1.00	108.00		135.00	37.70		135.00			62.00
110.00	2.00	1.00	119.00		150.00	39.50		150.00			61.00
111.00	2.00	1.00	117.00		137.00	34.10		137.00			58.00
112.00	2.00	1.00	115.00		132.00	27.70		133.00			59.00
113.00	2.00	1.00	113.00		140.00	42.30		140.00			67.00
114.00	2.00	1.00	112.00		132.00	28.60		132.00			60.00
115.00	2.00	1.00	111.00								52.00
116.00	2.00	1.00	116.00		137.00	28.20		137.00			56.00
117.00	2.00	1.00	113.00		132.00	31.40		132.00			60.00
118.00	1.00	1.00	119.00		147.00	47.30		148.00			75.50
119.00	1.00	1.00	118.00		150.00	37.70		150.00			64.00
120.00	1.00	1.00	112.00		132.00	28.20		132.00			57.00
121.00	1.00	1.00	112.00		147.00	42.30		148.00			71.00
122.00	1.00	1.00	118.00		140.00	31.40		140.00			63.00
123.00	1.00	2.00	117.00		135.00	36.80		135.00			60.00
124.00	1.00	1.00	115.00		127.00	25.00		127.00			51.00
125.00	1.00	1.00	114.00		142.00	34.10		143.00			63.00
126.00	1.00	2.00	111.00		130.00	30.90		130.00			57.00
127.00	2.00	1.00	125.00		145.00	37.70		145.00			63.00
128.00	2.00	1.00	127.00		137.00	35.50		137.00			58.00
129.00	2.00	1.00	127.00		137.00	33.60		137.00			59.50
130.00	2.00	1.00	124.00		140.00	38.60		140.00			66.00
131.00	2.00	1.00	125.00		137.00	26.40		137.00			58.00
132.00	2.00	1.00	123.00		142.00	28.60		142.00			63.00
133.00	1.00	1.00	128.00		142.00	44.10		143.00			71.00
134.00	1.00	1.00	129.00		147.00	33.60		147.00			60.00
135.00	1.00	1.00	124.00		155.00	67.70		155.00			86.00
136.00	1.00	1.00	124.00		147.00	32.30		148.00			60.00
137.00	1.00	1.00	123.00		135.00	28.60		135.00			56.50
138.00	1.00	1.00	122.00		140.00	33.60		140.00			62.00
139.00	2.00	1.00	143.00		155.00	37.30		155.00			55.00
140.00	2.00	1.00	132.00		145.00	35.50		144.00			63.50
141.00	2.00	1.00	140.00		147.00	33.60		147.00			59.00
142.00	2.00	1.00	140.00		140.00	36.40		140.00			65.00
143.00	2.00	1.00	140.00		145.00	39.10		145.00			60.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSR	BICEPSKR	WAIST
144.00	2.00	1.00	139.00		152.00	46.80		153.00			68.00
145.00	2.00	1.00	139.00		145.00	54.10		145.00			75.00
146.00	2.00	1.00	139.00		147.00	35.00		147.00			56.00
147.00	2.00	1.00	138.00		158.00	37.30		158.00			60.00
148.00	2.00	1.00	137.00		145.00	35.00		145.00			60.50
149.00	1.00	1.00	141.00		142.00	39.10		143.00			64.00
150.00	1.00	1.00	142.00		150.00	50.00		150.00			76.00
151.00	1.00	1.00	133.00		150.00	35.50		150.00			60.00
152.00	1.00	1.00	140.00		155.00	56.80		156.00			73.00
153.00	1.00	1.00	139.00		147.00	37.30		147.00			61.00
154.00	1.00	1.00	140.00		155.00	52.30		155.00			71.00
155.00	1.00	1.00	138.00		137.00	38.20		137.00			64.00
156.00	1.00	1.00	134.00		137.00	31.80		137.00			57.00
157.00	2.00	1.00	148.00		155.00	49.50		155.00			63.00
158.00	2.00	1.00	147.00		150.00	48.20		150.00			74.00
159.00	2.00	1.00	147.00		150.00	34.50		150.00			55.50
160.00	2.00	1.00	147.00		142.00	35.90		142.00			57.50
161.00	2.00	1.00	164.00		160.00	62.70		160.00			86.00
162.00	2.00	1.00	146.00		157.00	42.30		158.00			64.00
163.00	1.00	1.00	148.00		160.00	51.80		160.00			67.00
164.00	1.00	1.00	144.00		140.00	34.50		140.00			62.50
165.00	1.00	1.00	153.00		144.00	40.00		137.00			61.50
166.00	1.00	1.00	148.00		160.00	38.60		160.00			65.00
167.00	1.00	1.00	149.00		158.00	52.30		158.00			78.00
168.00	1.00	1.00	144.00		153.00	56.50		153.00			84.00
169.00	2.00	2.00	158.00		147.00	69.10		148.00			
170.00	1.00	1.00	156.00		138.00	55.90		137.00			69.00
171.00	2.00	1.00	166.00		170.00	57.70		168.00			71.00
172.00	2.00	1.00	156.00		158.00	55.00		163.00			67.00
173.00	2.00	1.00	163.00		172.00	47.70		171.00			64.50
174.00	2.00	1.00	157.00		158.00	46.80		158.00			66.00
175.00	1.00	1.00	161.00		173.00	73.60		173.00			63.50
176.00	1.00	1.00	159.00		178.00	72.00		179.00			77.00
177.00	1.00	1.00	157.00		150.00	38.20		150.00			62.00
178.00	1.00	1.00	157.00		162.00	51.40		163.00			69.50
179.00	1.00	1.00	159.00		155.00	40.50		155.00			63.00
180.00	2.00	1.00	178.00		172.00	57.70		173.00			53.00
181.00	2.00	1.00	177.00		170.00	63.60		167.00			72.50
182.00	2.00	1.00	179.00		152.00	50.90		156.00			64.00
183.00	2.00	1.00	172.00		159.00	55.90		159.00			67.00
184.00	2.00	1.00	177.00		150.00	49.10		150.00			68.00
185.00	1.00	1.00	175.00		175.00	65.90		172.00			79.00
186.00	1.00	1.00	176.00		154.00	41.80		157.00			64.00
187.00	1.00	1.00	172.00		179.00	67.30		178.00			77.00
188.00	1.00	1.00	172.00		180.00	71.80		180.00			76.50
189.00	1.00	1.00	173.00		166.00	57.30		166.00			69.00
190.00	2.00	1.00	183.00		160.00	46.80		160.00			71.00
191.00	2.00	1.00	183.00		159.00	49.30		157.00			68.00
192.00	2.00	1.00	182.00		158.00	46.80		156.00			62.00
193.00	2.00	1.00	182.00		165.00	57.30		168.00			65.00
194.00	2.00	1.00	182.00		163.00	49.10		164.00			63.00
195.00	1.00	1.00	182.00		179.00	82.70		181.00			81.00
196.00	1.00	2.00	185.00		178.00	81.30		179.00			77.50
197.00	1.00	1.00	186.00		172.00	82.90		173.00			87.00
198.00	1.00	1.00	191.00		188.00	80.00		188.00			78.00
199.00	1.00	2.00	181.00		183.00	78.20		181.00			67.00
200.00	2.00	1.00	198.00		166.00	61.80		166.00			75.00
201.00	2.00	1.00	192.00		168.00	55.90		166.00			68.00
202.00	2.00	1.00	197.00		172.00	64.50		173.00			72.50
203.00	2.00	1.00	203.00		158.00	54.50		158.00			64.00
204.00	2.00	1.00	198.00		159.00	53.60		159.00			71.00
205.00	2.00	1.00	202.00		168.00	60.00		168.00			73.50
206.00	2.00	1.00	196.00		181.00	74.10		180.00			78.00
207.00	1.00	1.00	194.00		187.00	95.90		187.00			
208.00	1.00	1.00	194.00		178.00	78.20		178.00			75.00
209.00	1.00	1.00	203.00		169.00	75.90		169.00			78.00
210.00	1.00	1.00	195.00		182.00	72.70		181.00			77.00
211.00	2.00	1.00	212.00		153.00	58.60		153.00			87.00
212.00	2.00	1.00	206.00		158.00	52.30		158.00			65.50
213.00	2.00	1.00	204.00		170.00	59.10		170.00			69.00
214.00	2.00	1.00	212.00		169.00	65.20		169.00			73.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
215.00	2.00	1.00	187.00		175.00	61.40		175.00			72.50
216.00	1.00	1.00	187.00		185.00	85.90		186.00			83.00
217.00	1.00	1.00	210.00		187.00	68.90		186.00			78.00
218.00	1.00	1.00	215.00		175.00	71.60		175.00			80.00
219.00	1.00	1.00	204.00		184.00	76.40		188.00			73.50
220.00	1.00	1.00	204.00		168.00	84.10		168.00			89.00
221.00	2.00	2.00	224.00		165.00	62.30		165.00			74.50
222.00	2.00	1.00	218.00		152.00	53.60		152.00			71.00
223.00	2.00	1.00	220.00		167.00	56.60		163.00			68.00
224.00	2.00	1.00	226.00		164.00	54.50		164.00			75.00
225.00	2.00	1.00	224.00		174.00	62.50		174.00			74.50
226.00	2.00	1.00	221.00		180.00	79.10		180.00			81.00
227.00	1.00	1.00	219.00		173.00	78.60		171.00			86.50
228.00	1.00	1.00	221.00		185.00	75.50		185.00			77.00
229.00	1.00	1.00	217.00		179.00	72.70		176.00			79.50
230.00	1.00	1.00	221.00		153.00	71.40		154.00			78.00
231.00	1.00	2.00	144.00		159.00	52.30		157.00			66.00
232.00	2.00	1.00	127.00		155.00	46.90		150.00			67.00
233.00	2.00	2.00	141.00		147.00	35.50		148.00			63.80
234.00	1.00	2.00	162.00		145.00	39.80		144.00			70.00
235.00	2.00	1.00	143.00		154.00			155.00			
236.00	1.00	2.00	152.00		151.00			158.00			
237.00	1.00	1.00	154.00					167.00			86.50
238.00	2.00	1.00	136.00		136.00	37.30		139.00			69.00
239.00	2.00	1.00	133.00		141.00	43.90		142.00			75.50
240.00	1.00	1.00	138.00		145.00	40.00		144.00			65.00
241.00	1.00	1.00	127.00		145.00	33.10		140.00			58.00
242.00	2.00	1.00	130.00		144.00	35.90		141.00			62.00
243.00	2.00	1.00	135.00		146.00	44.00		145.00			71.30
244.00	1.00	1.00	145.00		149.00	34.50		149.00			58.00
245.00	2.00	1.00	141.00		154.00	35.10		154.00			62.00
246.00	1.00	1.00	147.00		146.00	40.00		145.00			66.30
247.00	2.00	2.00	143.00		156.00	43.00		160.00			66.00
248.00	2.00	2.00	147.00		154.00	54.50		157.00			71.00
249.00	2.00	1.00	149.00		147.00	41.00		143.00			58.00
250.00	2.00	1.00	124.00		132.00	29.00		129.00			52.00
251.00	2.00	1.00	124.00		139.00	31.00		138.00			60.00
252.00	1.00	1.00	115.00		141.00	32.00		138.00			62.00
253.00	2.00	1.00	137.00		153.00	61.30		148.00			81.00
254.00	2.00	1.00	149.00		158.00	46.00		153.00			68.00
255.00	1.00	2.00	151.00		159.00	58.00		171.00			76.00
256.00	2.00	2.00	149.00		155.00	45.00		157.00			63.30
257.00	1.00	1.00	148.00		152.00	46.00		147.00			71.00
258.00	1.00	2.00	121.00		137.00	37.70		144.00			65.80
259.00	2.00	1.00	124.00		132.00	29.70		130.00			57.00
260.00	1.00	1.00	136.00		151.00	60.00		149.00			82.00
261.00	2.00	1.00	69.00		121.00	21.60		111.00			54.50
262.00	1.00	1.00	72.00		116.00	20.90		113.00			56.80
263.00	2.00	1.00	98.00		137.00	26.40		135.00			56.00
264.00	1.00	1.00	84.00		134.00	30.50		136.00			60.00
265.00	1.00	2.00	101.00		131.00	36.00		135.00			70.00
266.00	2.00	2.00	101.00		134.00	40.50		140.00			71.50
267.00	1.00	1.00	110.00		135.00	32.50		135.00			62.50
268.00	2.00	1.00	107.00		134.00	25.00		131.00			58.00
269.00	1.00	3.00	109.00		140.00	45.60		140.00			78.50
270.00	2.00	1.00	103.00		130.00	33.00		103.00			64.00
271.00	2.00	1.00	107.00		132.00	25.20		127.00			53.00
272.00	1.00	1.00	112.00		140.00	32.20		137.00			57.50
273.00	1.00	3.00	101.00		128.00	28.30		127.00			60.30
274.00	2.00	1.00	106.00		135.00	30.90		128.00			61.00
275.00	2.00	1.00	92.00		129.00	29.70		125.00			63.00
276.00	1.00	2.00	96.00		145.00	34.90		148.00			66.00
277.00	2.00	2.00	98.00		120.00	28.00		121.00			61.50
278.00	2.00	1.00	84.00		128.00	27.20		126.00			58.30
279.00	2.00	2.00	94.00		128.00	24.80		123.00			54.50
280.00	2.00	1.00	88.00		128.00	26.10		120.00			54.50
281.00	2.00	1.00	110.00		134.00	30.50		137.00			58.50
282.00	1.00	1.00	176.00		175.00	69.50		175.00			81.50
283.00	2.00	1.00	55.00		115.00	21.40		112.00			54.50
284.00	2.00	1.00	51.00		100.00	14.50		102.00			49.00
285.00	2.00	1.00	50.00		102.00	18.20		104.00			55.60

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
286.00	2.00	1.00	71.00		109.00	18.60		105.00			52.00
287.00	2.00	1.00	32.00		89.00	11.80					51.00
288.00	1.00	1.00	199.00		175.00	60.90		175.00			74.00
289.00	1.00	1.00	175.00		178.00	59.10		181.00			72.00
290.00	1.00	1.00	32.00		95.00	14.50		91.00			50.00
291.00	1.00	1.00	66.00		117.00	20.90		113.00			53.50
292.00	1.00	1.00	19.00		85.40	11.20		81.50			52.00
293.00	1.00	1.00	166.00		158.00	53.20		155.00			74.80
294.00	1.00	1.00	175.00		151.00	40.50		153.00			65.00
295.00	2.00	1.00	179.00		163.00	52.70		158.00			65.00
296.00	2.00	1.00	167.00		163.00	60.00		160.00			69.50
297.00	2.00	1.00	198.00		161.00	59.10		164.00			73.80
298.00	2.00	1.00	11.00		78.70	11.80					51.00
299.00	1.00	1.00	25.00		86.00	13.60					
300.00	2.00	1.00	11.00		77.00	10.00					44.00
301.00	1.00	1.00	50.00		106.00	17.00		102.00			52.50
302.00	2.00	1.00	65.00		112.00	18.60					57.00
303.00	1.00	1.00	42.00		100.00	14.10					51.00
304.00	2.00	1.00	8.00		68.60	8.60					42.50
305.00	1.00	1.00	12.00		76.20	10.00					
306.00	2.00	1.00	218.00		146.00	54.50		149.00			75.50
307.00	1.00	1.00	188.00		176.00	100.00		182.00			
308.00	1.00	1.00	195.00		177.00	68.10		185.00			77.00
309.00	1.00	1.00	160.00		152.00	66.40		149.00			
310.00	1.00	1.00	178.00		166.00	50.50		165.00			68.00
311.00	1.00	1.00	178.00		189.00	73.20		189.00			79.50
312.00	1.00	1.00	181.00		179.00	74.50		168.00			91.50
313.00	2.00	1.00	180.00		164.00	53.50		163.00			66.50
314.00	2.00	1.00	225.00		171.00	61.40		166.00			65.00
315.00	1.00	1.00	210.00		175.00	68.60		175.00			79.50
316.00	1.00	1.00	188.00		183.00	74.30		185.00			77.00
317.00	1.00	1.00	181.00		180.00	66.80		178.00			74.50
318.00	1.00	1.00	179.00		177.00	64.70		178.00			75.00
319.00	2.00	1.00	173.00		171.00	51.90		164.00			61.00
320.00	1.00	1.00	180.00		154.00	44.80		149.00			62.50
321.00	2.00	1.00	171.00		173.00	58.00		173.00			69.00
322.00	2.00	1.00	170.00		155.00	54.90		159.00			64.50
323.00	2.00	1.00	182.00		181.00	60.10		173.00			65.30
324.00	2.00	1.00	176.00		171.00	57.00		168.00			65.00
325.00	1.00	1.00	179.00		163.00	55.60		161.00			80.00
326.00	1.00	1.00	169.00		164.00	64.10		162.00			76.00
327.00	1.00	1.00	173.00		174.00	55.90		179.00			71.00
328.00	1.00	1.00	180.00		163.00	54.50		165.00			64.50
329.00	1.00	1.00	167.00		176.00	60.00		177.00			73.30
330.00	2.00	1.00	173.00		166.00	48.60		164.00			60.80
331.00	2.00	1.00	175.00		159.00	58.90		156.00			68.00
332.00	2.00	1.00	170.00		163.00	56.60		170.00			74.00
333.00	2.00	1.00	181.00		172.00	53.40		162.00			65.00
334.00	1.00	1.00	219.00		181.00	74.50		183.00			79.00
335.00	1.00	2.00	44.00	50.00	96.00	16.40	45.00	103.00	9.00		50.00
336.00	1.00	2.00	70.00	51.80	111.00	21.60	55.50	120.00	8.00		57.00
337.00	1.00	1.00	108.00	53.30	140.00	29.00	61.00	135.00	10.00		58.50
338.00	2.00	1.00	114.00	54.80	141.00	35.00	71.50	133.00	10.00		61.00
339.00	1.00	1.00	101.00	58.00			78.50		11.00		
340.00	1.00	1.00	216.00	57.20	187.00			175.00	12.00		
342.00	1.00	1.00	88.00	53.30	117.00	24.00	48.30	99.90	12.00		55.90
343.00	1.00	1.00	36.00	47.50	92.00	13.40	17.80	96.50	9.00		47.50
344.00	2.00	1.00	108.00		128.00	25.70					
345.00	2.00	1.00	156.00		149.00	49.50					
346.00	1.00	1.00	57.00		112.00	19.50					
347.00	2.00	2.00	216.00		180.00	75.90					
348.00	2.00	1.00	120.00		138.00	30.90					
349.00	2.00	1.00	57.00		104.00	19.80					
350.00	1.00	1.00	168.00		167.00	67.30					
351.00	1.00	1.00	144.00		159.00	59.70					
352.00	2.00	1.00	192.00		174.00	70.00					
353.00	2.00	1.00	72.00		120.00	23.40					
354.00	2.00	2.00	72.00		109.00	17.70					
355.00	2.00	1.00	60.00		106.00	14.50					
356.00	2.00	1.00	72.00		123.00	23.10					
357.00	2.00	1.00	48.00		100.00	26.70					

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSR	BICEPSKR	WAIST
358.00	2.00	1.00	66.00		113.00	21.60					
359.00	1.00	2.00	36.00		95.00	15.30					
360.00	2.00	1.00	72.00								
361.00	1.00	1.00	60.00		117.00	22.20					
362.00	1.00	1.00	132.00		150.00	45.20					
363.00	1.00	1.00	144.00		161.00	56.10					
364.00	2.00	1.00	36.00		97.00	15.50					
365.00	2.00	1.00	48.00		100.00	14.00					
366.00	1.00	2.00	65.00								
367.00	1.00	2.00	201.00		187.00	76.80					
368.00	1.00	2.00	174.00		174.00	56.10					
369.00	1.00	2.00	204.00		175.00	84.50					
370.00	2.00	2.00	96.00		129.00	26.60					
371.00	1.00	1.00	54.00		109.00	18.50					
372.00	2.00	1.00	42.00		95.00	15.10					
373.00	1.00	1.00	168.00		160.00	46.10					
374.00	2.00	1.00	36.00		94.00	12.50					
375.00	2.00	1.00	213.00		163.00	50.10					
376.00	2.00	1.00	165.00		163.00	49.50					
377.00	1.00	1.00	120.00		132.00	25.00					
378.00	1.00	1.00	108.00		136.00	29.30					
379.00	1.00	1.00	170.00		155.00	40.00					
380.00	1.00	1.00	60.00		106.00	17.00					
381.00	2.00	1.00	36.00			11.00					
382.00	2.00	1.00	57.00		106.00	16.00					
383.00	1.00	1.00	216.00		171.00	63.90					
384.00	2.00	1.00	96.00		127.00	20.50					
385.00	1.00	1.00	72.00		108.00	18.90					
386.00	1.00	1.00	156.00		172.00	54.50					
387.00	2.00	1.00	192.00		160.00	50.70					
388.00	1.00	1.00	189.00		166.00	45.90					
389.00	1.00	1.00	60.00		107.00	17.20		104.00	7.00		50.10
390.00	1.00	1.00	61.00		104.00	17.70	47.60	116.00	12.00		
391.00	2.00	1.00	53.00		112.00	19.10	59.60		6.00		52.00
392.00	2.00	1.00	57.00		110.00	17.30	46.60	112.00	10.00		50.80
393.00	1.00	1.00	60.00		114.00	19.50	45.70	112.00	10.00		50.80
394.00	2.00	1.00	57.00		107.00	20.10	46.30	109.00	10.00		50.80
395.00	2.00	1.00	65.00		106.00	18.20	41.90	102.00	11.00		48.30
396.00	2.00	1.00	57.00		109.00	21.40	43.80	106.00	12.00		59.70
397.00	2.00	1.00	68.00		102.00	18.20			11.00		51.40
398.00	1.00	1.00	60.00		102.00	15.60	45.70		8.00		44.50
399.00	2.00	1.00	57.00		100.00	15.00	43.20		10.00		44.70
400.00	2.00	1.00	60.00		102.00	17.20	43.20	99.10	15.00		48.30
401.00	2.00	1.00	43.00		107.00	16.40	43.20	104.00	10.00		48.20
402.00	2.00	1.00	60.00		104.00	18.20	40.60		6.00		44.00
403.00	1.00	1.00	56.00		109.00	19.10	46.40	109.00	10.00		47.20
404.00	1.00	1.00	56.00		107.00	19.10	45.70	96.60	10.00		50.80
405.00	2.00	1.00	41.00		100.00	17.30	43.20	113.00	11.00		48.30
406.00	2.00	1.00	69.00		111.00	19.10	53.30		11.00		50.80
407.00	2.00	1.00	59.00		102.00	18.40	45.70		6.00		42.00
408.00	2.00	1.00	60.00		107.00	15.90	44.00		10.00		44.40
409.00	2.00	1.00	53.00		102.00	17.30	43.20	109.00	10.00		44.50
410.00	2.00	1.00	52.00		109.00	18.60	45.70	112.00	11.00		47.60
411.00	1.00	1.00	60.00		112.00	19.30	45.70		8.00		53.30
412.00	1.00	1.00	57.00		114.00	21.40	48.30	109.00	10.00		50.80
413.00	1.00	1.00	58.00		110.00	22.70	40.60	107.00	10.00		50.80
414.00	1.00	1.00	56.00		107.00	18.20	48.30	109.00	9.00		48.30
415.00	1.00	1.00	66.00		112.00	19.10	43.20	108.00	9.00		58.40
416.00	1.00	1.00	64.00		109.00	20.50	46.00	111.00	10.00		53.30
417.00	1.00	1.00	59.00		111.00	18.20	43.20	107.00	9.00		48.30
418.00	2.00	1.00	48.00		107.00	19.60	43.20	96.50	12.00		55.90
419.00	2.00	1.00	36.00		97.80	15.90	43.20	91.40	16.00		53.30
420.00	2.00	1.00	36.00		94.00	11.80	40.00	110.00	10.00		52.10
421.00	1.00	1.00	65.00		112.00	19.10	48.30		9.00		55.90
422.00	2.00	1.00	60.00		109.00	18.20	47.00		12.00		66.00
423.00	2.00	1.00	60.00		108.00	22.70	43.20		16.00		61.00
424.00	1.00	1.00	48.00		105.00	16.40	46.40	108.00	10.00		49.50
425.00	2.00	1.00	48.00		108.00	16.80	45.70	118.00	8.00		47.00
426.00	1.00	1.00	60.00		119.00	20.50	50.80	105.00	10.00		50.20
427.00	2.00	1.00	162.00		105.00	20.00	45.70	163.00	18.00		58.40
428.00	2.00	2.00	165.00		164.00	57.30	73.70	163.00	16.00		73.70

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
429.00	2.00	1.00	163.00		163.00	44.90	68.60	171.00	15.00		58.40
430.00	2.00	1.00	171.00		168.00	54.50	74.90		11.00		65.50
431.00	1.00	1.00	174.00		158.00	55.90	70.00	162.00	8.00		70.50
432.00	1.00	1.00	168.00		163.00	51.30	73.70	168.00	12.00		71.80
433.00	1.00	1.00	175.00		168.00	59.20	76.20	163.00	3.00		71.10
434.00	2.00	1.00	169.00		161.00	43.20	67.30	163.00	6.00		61.00
435.00	1.00	1.00	171.00		161.00	49.40	69.90	163.00	5.00		63.50
436.00	2.00	1.00	173.00		163.00	54.00	70.50	158.00	11.00		62.20
437.00	2.00	1.00	183.00		157.00	48.80	68.60				62.90
438.00	1.00	1.00	11.00	47.00	76.00	10.20	30.70		14.00	9.00	53.30
439.00	1.00	1.00	13.00	46.50	79.00	10.20	35.30		13.00	8.00	47.90
440.00	2.00	1.00	22.00	48.00	81.50	11.80	40.80		11.00	7.00	45.70
441.00	1.00	1.00	9.00	44.20	66.00	7.70	26.50		16.00	9.00	49.00
442.00	1.00	1.00	47.00	51.50		14.50	36.00		10.00	11.00	54.00
443.00	2.00	1.00	1.00	39.00	56.00	4.70	22.50		8.00	5.00	43.00
444.00	1.00	1.00	191.00	56.00	157.00	64.10	56.50		24.00	21.00	74.00
445.00	1.00	1.00	12.00	46.00	74.00	8.40	28.50		10.00	6.00	52.00
446.00	1.00	1.00	4.00	43.00	65.50	7.70	27.50		9.00	7.00	51.00
447.00	1.00	1.00	3.00	41.50	62.50	5.80	24.50		8.00	9.00	42.50
448.00	1.00	3.00	216.00	52.50	163.00	70.00	66.00		30.00	27.00	86.00
449.00	2.00	2.00	190.00	57.10	163.00	56.40	65.90		24.00	20.00	73.40
450.00	1.00	1.00	204.00	55.00	168.00	59.50	62.20		17.00	10.00	65.90
451.00	2.00	1.00	9.00	45.10	71.50	8.90	27.40	71.30	16.00	9.00	49.50
452.00	2.00	1.00	11.00	48.20	77.00	12.10	60.80	76.90	15.00	10.00	53.20
453.00	2.00	1.00	6.00	44.10	66.00	7.80	28.50	66.20	10.00	9.00	51.90
454.00	2.00	1.00	8.00	43.20	70.20	9.10	27.30	71.00	16.00	9.00	49.30
455.00	2.00	1.00	40.00	51.00	95.10	14.60	36.00	94.90	16.00	10.00	54.00
456.00	2.00	1.00	63.00	52.10	95.70	15.10	36.50	95.10	17.00	11.00	53.20
457.00	2.00	1.00	9.00	45.10	71.70	9.10	27.60	71.50	17.00	9.00	49.70
458.00	1.00	1.00	45.00	51.90	94.90	13.90	35.80	94.60	10.00	11.00	54.20
459.00	2.00	1.00	13.00	46.60	79.10	10.90	35.10	78.90	13.00	8.00	48.10
460.00	2.00	1.00	19.00	51.10	78.10	11.10	34.90	78.40	13.00	9.00	45.70
461.00	1.00	1.00	15.00	47.90	76.50	10.90	34.70	76.50	14.00	9.00	49.00
462.00	2.00	1.00	24.00	52.10	81.70	12.50	35.90	81.40	13.00	11.00	54.00
463.00	2.00	1.00	12.00	50.10	79.80	11.80	33.70	78.90	10.00	8.00	43.90
464.00	2.00	1.00	27.00	52.90	82.30	14.90	36.30	83.10	13.00	10.00	52.50
465.00	2.00	1.00	23.00	51.90	82.50	14.10	35.10	82.00	12.00	11.00	53.10
466.00	1.00	1.00	13.00	47.80	80.10	11.70	34.30	81.10	10.00	8.00	49.30
467.00	2.00	1.00	14.00	48.10	77.10	13.90	35.30	78.80	11.00	9.00	48.20
468.00	1.00	1.00	20.00	51.50	89.00	14.50	36.10	88.10	13.00	8.00	52.20
469.00	2.00	1.00	31.00	51.90	93.10	16.00	39.70	89.90	17.00	9.00	53.50
470.00	1.00	1.00	34.00	52.10	94.00	15.40	39.10	93.80	17.00	9.00	49.10
471.00	2.00	1.00	21.00	53.00	87.50	15.10	35.30	87.00	12.00	10.00	52.50
472.00	2.00	1.00	19.00	51.80	88.50	17.50	29.90	88.00	11.00	10.00	53.00
473.00	1.00	1.00	18.00	49.90	91.00	12.90	35.20	90.90	10.00	9.00	48.00
474.00	1.00	1.00	32.00	51.70	92.10	16.90	38.80	92.40	16.00	11.00	49.10
475.00	1.00	1.00	25.00	52.50	93.50	16.50	33.90	93.10	13.00	10.00	52.00
476.00	1.00	1.00	14.00	46.10	88.00	15.50	34.10	88.10	14.00	11.00	47.00
477.00	2.00	1.00	12.00	47.00	81.50	17.00	35.20	81.60	17.00	8.00	53.00
478.00	1.00	1.00	16.00	52.80	87.50	14.00	38.30	87.00	10.00	10.00	49.00
479.00	2.00	1.00	30.00	51.70		14.00	37.00	91.00	11.00	7.00	48.50
480.00	1.00	1.00	29.00	52.30	89.10	15.50	30.10	89.70	11.00	9.00	51.40
481.00	2.00	1.00	30.00	52.10	91.70	13.90	37.80	91.00	12.00	8.00	52.20
482.00	1.00	1.00	31.00	51.00	92.10	15.00	38.20	92.20	14.00	7.00	55.10
483.00	2.00	1.00	26.00	51.60	89.00	12.00	37.90	89.30	16.00	9.00	51.50
484.00	1.00	1.00	35.00	51.50	94.90	13.10	38.30	94.00	15.00	10.00	48.00
485.00	2.00	1.00	62.00	51.10	110.00	18.90	42.50	111.00	9.00	5.00	
486.00	2.00	1.00	108.00	51.00	132.00	28.10	52.50	131.00	8.00	10.00	
487.00	2.00	1.00	97.00	50.10	127.00	25.00	50.50	127.00	8.00	8.00	50.00
488.00	1.00	1.00	68.00	53.10	112.00	19.20	42.50	113.00	9.00	9.00	45.30
489.00	1.00	1.00	146.00	54.00	150.00	41.90	60.50	151.00	8.00	11.00	52.00
490.00	2.00	1.00	120.00	52.90	136.00	30.50	53.00	136.00	10.00	11.00	51.20
491.00	2.00	1.00	49.00	50.50	99.20	18.00	35.50	101.00	10.00	8.00	42.00
492.00	1.00	2.00	159.00	54.10	159.00	48.20	64.50	159.00	9.00	12.00	
493.00	2.00	1.00	69.00	51.20	108.00	17.90	41.00	108.00	10.00	9.00	45.00
494.00	1.00	1.00	127.00	52.10	139.00	34.50	55.50	139.00	11.00	12.00	46.00
495.00	2.00	1.00	48.00	50.30	106.00	17.10	37.50	107.00	8.00	8.00	43.00
496.00	1.00	2.00	70.00	52.40	116.00	20.80	43.00	116.00	12.00	9.00	53.50
497.00	2.00	1.00	51.00	51.00	108.00	17.80	40.00	108.00	9.00	9.00	47.00
498.00	2.00	1.00	36.00	49.80	97.40	17.90	35.10	98.10	10.00	9.00	46.00
499.00	2.00	1.00	72.00	51.70	116.00	20.90	44.00	116.00	10.00	8.00	48.30

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
500.00	2.00	2.00	132.00	53.10	143.00	35.10	57.50	143.00	9.00	8.00	73.70
501.00	2.00	1.00	87.00	51.20	122.00	23.50	45.50	121.00	10.00	8.00	51.30
502.00	1.00	2.00	81.00	52.00	119.00	22.80	45.50	119.00	9.00	7.00	50.80
503.00	2.00	1.00	41.00	51.90	99.30	18.10	33.70	99.40	11.00	8.00	46.00
504.00	1.00	1.00	38.00	50.50	98.00	17.90	35.10	98.10	11.00	9.00	49.20
505.00	1.00	1.00	192.00	54.70	174.00	52.00	71.00	174.00	8.00	6.00	77.50
506.00	2.00	1.00	86.00	52.10	122.00	23.50	45.90	123.00	25.00	21.00	50.50
507.00	2.00	1.00	84.00	56.50	120.00	25.90	44.70	122.00	20.00	17.00	56.20
508.00	1.00	1.00	157.00	51.90	158.00	50.90	52.30	156.00	17.00	15.00	66.10
509.00	1.00	1.00	121.00	52.30	136.00	35.10	42.80	135.00	19.00	17.00	68.20
510.00	1.00	2.00	216.00	53.10	169.00	71.10	66.00	171.00	19.00	27.00	76.30
511.00	2.00	1.00	206.00	52.90	179.00	66.90	65.20	181.00	25.00	20.00	70.10
512.00	1.00	1.00	168.00	51.10	165.00	56.10	62.90	165.00	23.00	22.00	69.40
513.00	2.00	1.00	198.00	53.20	174.00	67.80	64.50	175.00	20.00	19.00	76.20
514.00	2.00	1.00	132.00	51.90	143.00	37.50	58.30	151.00	8.00	8.00	65.30
515.00	1.00	1.00	146.00	53.00	147.00	40.10	56.30	148.00	9.00	7.00	68.40
516.00	2.00	2.00	217.00	55.10	177.00	69.00	75.80	186.00	11.00	10.00	66.10
517.00	2.00	1.00	209.00	54.90	176.00	66.90	76.30	187.00	13.00	12.00	76.80
518.00	2.00	1.00	220.00	55.00	174.00	67.10	69.50	181.00	15.00	9.00	73.10
519.00	1.00	1.00	159.00	51.30	155.00	45.30	61.40	163.00	13.00	7.00	66.90
520.00	2.00	2.00	156.00	52.90	157.00	50.70	57.90	158.00	9.00	7.00	68.10
521.00	1.00	2.00	181.00	55.00	163.00	51.30	60.90	164.00	10.00	8.00	67.50
522.00	2.00	1.00	199.00	54.10	170.00	62.00	66.20	173.00	8.00	7.00	69.10
523.00	2.00	2.00	171.00	53.70	164.00	55.10	65.00	173.00	9.00	8.00	66.90
524.00	2.00	1.00	59.00	52.70	110.00	19.10	40.30	108.00	15.00	9.00	
525.00	2.00	1.00	87.00	54.50	121.00	21.80	46.50	123.00	25.00	16.00	66.00
526.00	2.00	1.00	143.00	52.60	146.00	40.90	53.70	149.00	22.00	20.00	69.50
527.00	1.00	1.00	191.00	56.00	164.00	55.00	60.00	161.00	20.00	19.00	66.00
528.00	2.00	1.00	207.00	53.10	182.00	67.10	66.20	181.00	22.00	24.00	71.00
529.00	2.00	1.00	195.00	54.70	174.00	63.10	72.10	175.00	9.00	5.00	80.50
530.00	2.00	1.00	158.00	52.80	156.00	49.10	51.00	158.00	15.00	13.00	64.90
531.00	1.00	1.00	140.00	53.80	150.00	41.60	60.90	153.00	7.00	10.00	51.90
532.00	2.00	1.00	149.00	55.10	157.00	42.00	61.10	162.00	8.00	11.00	53.10
533.00	2.00	2.00	131.00	53.90	136.00	31.80	53.90	139.00	11.00	13.00	51.90
534.00	1.00	1.00	79.00	55.10	120.00	24.70	46.50	125.00	11.00	10.00	
535.00	2.00	1.00	99.00	54.50	121.00	31.90	47.80	123.00	25.00	17.00	67.20
536.00	2.00	2.00	108.00	51.00	132.00	28.30	53.60	133.00	9.00	11.00	
537.00	1.00	1.00	106.00	51.00			40.90	109.00	11.00	12.00	47.10
538.00	2.00	1.00	76.00	52.40	118.00	21.90	43.10	120.00	10.00	13.00	54.10
539.00	2.00	1.00	100.00	51.90	127.00	25.90	51.60	130.00	9.00	9.00	51.10
540.00	1.00	2.00	110.00	51.90	128.00	28.00	51.40	130.00	8.00	9.00	43.10
541.00	1.00	1.00	96.00		122.00	27.30	52.50	117.00	14.00		58.50
542.00	2.00	1.00	96.00		130.00	27.30	53.00	120.00	6.00		55.00
543.00	1.00	3.00	108.00		135.00	27.70	55.00	123.00	14.00		55.50
544.00	1.00	1.00	108.00		137.00	30.50	56.00	126.00	14.00		58.00
545.00	1.00	1.00	96.00		128.00	25.00	55.00	122.00	8.00		55.00
546.00	2.00	1.00	72.00		128.00	25.50	54.50	120.00	6.00		58.00
547.00	1.00	1.00	84.00		121.00	20.00	50.00	110.00	9.00		46.00
548.00	2.00	1.00	108.00		142.00	33.60	61.00	135.00	12.00		56.50
549.00	1.00	1.00	144.00		156.00	40.90	66.70	147.00	13.00		68.00
550.00	1.00	2.00	168.00		161.00	45.50	73.70	156.00	10.00		65.40
551.00	1.00	1.00	84.00		128.00	27.10	51.00	117.00	10.00		55.00
552.00	1.00	1.00	108.00		141.00	40.00	61.00	139.00	14.00		67.50
553.00	2.00	1.00	108.00		138.00	27.30	60.00	131.00	5.00		53.50
554.00	1.00	1.00	108.00		137.00	29.10	57.00	136.00	12.00		54.50
555.00	2.00	1.00	96.00		127.00	22.70	54.00	126.00	7.00		54.00
556.00	1.00	1.00	96.00		135.00	29.10	57.00	130.00	10.00		53.50
557.00	2.00	2.00	84.00		127.00	27.30	54.00	128.00	6.00		59.50
558.00	1.00	1.00	108.00		125.00	46.50	53.00	121.00	10.00		49.00
559.00	1.00	1.00	108.00		147.00	49.30	62.00	140.00	22.00		74.00
560.00	2.00	1.00	120.00		130.00	27.20	57.00	128.00	10.00		55.50
561.00	2.00	2.00	156.00		170.00	58.20	71.00	171.00	11.00		76.00
562.00	1.00	2.00	108.00		148.00	40.70	66.00	142.00	8.00		55.50
563.00	1.00	1.00	108.00		142.00	34.60	62.00	136.00	16.00		58.50
564.00	1.00	2.00	96.00		135.00	29.60	60.00	134.00	8.00		55.00
565.00	1.00	1.00	96.00		132.00	25.50	57.00	128.00	8.00		52.50
566.00	1.00	1.00	108.00		133.00	24.10	57.00	127.00	10.00		53.50
567.00	2.00	1.00	144.00		147.00	36.80	62.00	141.00	9.00		58.50
568.00	1.00	2.00	144.00		157.00	50.90	66.00	152.00	20.00		72.40
569.00	2.00	1.00	144.00		165.00	45.50	68.00	152.00	11.00		68.60
570.00	2.00	1.00	61.00	52.80	114.00	20.50	46.00	104.00	9.00		57.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
571.00	1.00	1.00	48.00	50.20	103.00	15.50	41.00	98.40	9.00		51.30
572.00	1.00	1.00	51.00	51.10	114.00	20.50	50.50	112.00	15.00		55.50
573.00	1.00	1.00	64.00	53.40	107.00	19.50	44.00	102.00	15.00		55.50
574.00	2.00	1.00	44.00	51.50	98.40	15.50	39.00	95.30	10.00		53.30
575.00	1.00	1.00	45.00	50.70	106.00	15.90	43.50	88.00	15.00		51.00
576.00	2.00	1.00	48.00	52.20	108.00	18.60	44.50	105.00	8.00		52.00
577.00	2.00	1.00	46.00		100.00	15.50	40.00	97.90	12.00		53.00
578.00	1.00	1.00	66.00	55.20	118.00	19.50	48.50	109.00	12.00		54.30
579.00	2.00	1.00	48.00		105.00	16.80	43.00	104.00	14.00		49.50
580.00	1.00	1.00	65.00	54.00	116.00	20.50	46.00	108.00	11.00		51.00
581.00	2.00	1.00	55.00	51.50	112.00	20.00	44.00	105.00	13.00		54.50
582.00	1.00	1.00	50.00	52.10	114.00	20.00	47.00	109.00	9.00		53.00
583.00	2.00	1.00	52.00	50.50	104.00	17.30	43.50	99.00	8.00		50.00
584.00	1.00	1.00	50.00	50.00	109.00	18.60	46.00	114.00	13.00		55.00
585.00	2.00	1.00	56.00	53.00	106.00	19.50	46.00	108.00	11.00		56.50
586.00	1.00	1.00	59.00	50.80	104.00	15.50	43.00	99.70	10.00		50.50
587.00	2.00	1.00	41.00	52.80	103.00	16.80	42.50	102.00	10.00		54.00
588.00	2.00	1.00	56.00	55.30	112.00	21.80	45.50	105.00	13.00		60.00
589.00	2.00	1.00	46.00	53.50	109.00	20.00	45.00	108.00	12.00		54.30
590.00	1.00	1.00	44.00	48.50	100.00	13.20	39.50	93.30	8.00		46.00
591.00	1.00	1.00	55.00	51.00	113.00	20.50	48.50	113.00	11.00		56.50
592.00	1.00	1.00	51.00	51.50	109.00	18.60	45.00	106.00	10.00		58.00
593.00	1.00	1.00	51.00	51.10	107.00	17.70	44.00	106.00	9.00		51.00
594.00	2.00	1.00	54.00	53.40	105.00	17.00	43.50	102.00	10.00		51.50
595.00	2.00	1.00	54.00	52.70	107.00	17.70	43.00	102.00	9.00		52.00
596.00	1.00	1.00	57.00	50.60	102.00	13.00	32.00	96.50	6.00		48.50
597.00	2.00	1.00	45.00	51.10	94.60	12.70	37.00	90.80	9.00		45.50
598.00	1.00	1.00	32.00	48.50	92.10	12.60	39.40	90.50	6.00		44.50
599.00	1.00	1.00	42.00	48.00	92.10	11.40	35.00	86.40	7.00		48.00
600.00	2.00	1.00	42.00	53.00	99.60	14.00	42.50	97.20	13.00		50.00
601.00	1.00	1.00	46.00	52.30	107.00	20.50	45.00		10.00		58.00
602.00	2.00	1.00	47.00	51.20	105.00	16.80	42.80	101.00	16.00		49.50
603.00	2.00	1.00	40.00	51.50	92.70	12.30	39.50	89.50	9.00		49.00
604.00	2.00	1.00	42.00	51.30	102.00	15.50	41.00	97.20	9.00		48.00
605.00	2.00	1.00	60.00	51.80	106.00	16.40	43.50	104.00	12.00		50.50
606.00	1.00	1.00	50.00	51.90	109.00	17.70	47.50	106.00	8.00		51.00
607.00	2.00	1.00	63.00	54.20	114.00	22.70	45.00	109.00	11.00		57.50
608.00	1.00	1.00	54.00	53.80	111.00	21.40	46.00	108.00	14.00		57.00
609.00	1.00	1.00	53.00	52.20	105.00	16.80	43.00	102.00	9.00		51.50
610.00	2.00	1.00	55.00	52.10	109.00	19.00	47.00	106.00	14.00		56.50
611.00	1.00	1.00	52.00	52.00	103.00	15.90	40.00	94.50	15.00		51.00
612.00	1.00	1.00	55.00	50.00	100.00	14.50	40.50	96.80	11.00		50.10
613.00	2.00	1.00	48.00	52.30	106.00	19.50	44.00	107.00	15.00		53.50
614.00	1.00	1.00	65.00	52.50	110.00	18.20	45.60	104.00	10.00		52.00
615.00	2.00	1.00	65.00	52.80	113.00	20.90	47.50	111.00	8.00		53.50
616.00	2.00	1.00	62.00	51.90	107.00	15.90	43.50	103.00	11.00		51.00
617.00	2.00	1.00	61.00	53.20	116.00	23.60	46.50	111.00	16.00		63.00
618.00	2.00	1.00	59.00	51.40	114.00	20.00	44.50	106.00	11.00		57.00
619.00	1.00	1.00	59.00	50.00	103.00	15.00	45.00	105.00	8.00		50.50
620.00	1.00	1.00	58.00	53.00	110.00	22.70	43.50	104.00	11.00		59.00
621.00	1.00	1.00	56.00	53.20		15.50	43.00		6.00		50.00
622.00	1.00	1.00	56.00	53.50	111.00	21.80	49.00	110.00	14.00		57.00
623.00	2.00	1.00	58.00	53.70	106.00	19.00	43.00	106.00	10.00		53.50
624.00	2.00	1.00	53.00	52.60	111.00	18.20	42.50	108.00	11.00		51.00
625.00	1.00	1.00	50.00	52.50	102.00	17.30	42.00	97.00	13.00		55.00
626.00	1.00	2.00	50.00	50.00	101.00	14.70			6.00		
627.00	2.00	2.00	120.00	54.00	137.00	32.50			9.00		
629.00	2.00	2.00	44.00	49.30	96.50	13.20			6.00		
630.00	1.00	2.00	56.00	49.50	106.00	17.00			11.00		
631.00	1.00	1.00	8.00	48.50	69.00	8.80	23.00	66.00	6.00		49.50
632.00	1.00	1.00	58.00	55.30	112.00	20.10	33.00	108.00	12.00		51.50
633.00	2.00	1.00	124.00	55.00	150.00	42.30	48.50	150.00	11.00		63.00
634.00	1.00	1.00	7.00	44.80	66.00	8.60	21.50	68.50	9.00		43.00
635.00	2.00	1.00	35.00	52.50	92.00	13.50	27.00	84.00	12.00		51.00
636.00	2.00	1.00	19.00	47.80	84.50	12.10	24.00	76.00	13.00		47.00
637.00	2.00	1.00	159.00	53.00	165.00	46.80	56.50	174.00	12.00		65.30
638.00	2.00	1.00	27.00	45.80	76.80	9.50	25.00	74.50	6.00		44.00
639.00	1.00	1.00	89.00		123.00	22.00	38.00	114.00	8.00		52.70
640.00	1.00	1.00	90.00		119.00	23.20	37.50	114.00	7.00		
641.00	2.00	1.00	148.00		135.00	38.20	47.50	152.00	13.00		63.50
642.00	1.00	1.00	165.00		166.00	52.30	48.00	168.00	9.00		69.20

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
643.00	1.00	1.00	122.00		135.00	40.50	47.50	147.00	12.00		71.80
644.00	2.00	1.00	191.00		165.00	47.30	53.00	161.00	8.00		63.50
645.00	1.00	1.00	205.00		178.00	75.00	60.00	178.00	12.00		87.60
646.00	1.00	1.00	210.00		182.00	64.50	62.00	190.00	10.00		83.80
647.00	2.00	1.00	99.00		130.00	24.50	43.50	126.00			54.60
648.00	2.00	1.00	160.00		159.00	59.10	47.50	168.00	23.00		78.70
649.00	2.00	1.00	207.00		159.00	49.50	48.20	161.00	18.00		73.70
650.00	2.00	1.00	197.00		171.00	64.50	55.00	170.00	17.00		72.00
651.00	1.00	1.00	199.00		184.00	69.00	68.00	183.00	13.00		79.40
652.00	2.00	2.00	224.00		164.00	55.90	62.10	174.00	11.00		64.00
653.00	2.00	1.00	197.00		166.00	58.20	55.00	164.00	16.00		69.90
654.00	1.00	1.00	184.00		165.00	65.50	57.00	166.00	14.00		80.00
655.00	2.00	2.00	200.00		156.00	48.60	55.20	162.00	18.00		63.00
656.00	2.00	1.00	209.00		159.00	65.60		155.00	30.00		82.00
657.00	2.00	1.00	214.00		163.00	51.80	56.10	159.00	12.00		63.50
658.00	1.00	1.00	211.00		177.00	72.00	61.00	177.00	21.00		86.40
659.00	2.00	2.00	214.00		158.00	44.00	59.40	161.00	15.00		65.50
660.00	2.00	2.00	191.00		179.00	65.90	62.20	185.00	27.00		76.80
661.00	2.00	3.00	201.00		161.00	70.90	57.50	164.00	29.00		77.50
662.00	2.00	2.00	225.00		161.00	69.30	55.00	164.00	28.00		78.70
663.00	2.00	2.00	224.00		174.00	71.80	65.00	177.00	23.00		71.80
664.00	2.00	1.00	226.00		173.00	57.10	58.20	168.00	20.00		71.10
665.00	2.00	1.00	224.00		163.00	46.40	55.20	159.00	13.00		57.20
666.00	2.00	2.00	222.00		166.00	64.50	60.00	169.00	16.00		71.00
667.00	2.00	2.00	194.00		152.00	58.00	54.00	160.00	23.00		81.00
668.00	2.00	1.00	182.00		155.00	53.90	51.00	153.00	13.00		81.00
669.00	2.00	2.00	180.00		160.00	54.80	55.00	166.00	20.00		66.00
670.00	2.00	2.00	182.00		166.00	46.60	57.50	172.00	9.00		63.50
671.00	2.00	2.00	183.00		154.00	67.30	52.50	160.00	24.00		80.50
672.00	2.00	2.00	185.00		162.00	64.30	55.00	169.00	19.00		79.00
673.00	2.00	2.00	186.00		160.00	47.30	49.50	157.00	11.00		64.50
674.00	1.00	2.00	192.00		184.00	81.10	65.00	193.50	22.00		89.00
675.00	1.00	2.00	188.00		186.00	68.40	59.00	186.00	7.00		73.50
676.00	1.00	2.00	187.00		182.00	74.80	66.00	201.00	10.00		84.00
677.00	1.00	2.00	195.00		177.00	95.00	63.40	182.00	24.00		107.00
678.00	1.00	2.00	195.00		178.00	68.10	62.00	189.00	7.00		81.50
679.00	1.00	2.00	176.00		173.00	67.70	61.00	183.00	12.00		82.00
680.00	1.00	2.00	197.00		176.00	73.90	81.00	188.00	11.00		80.50
681.00	1.00	1.00	195.00		179.00	74.80	58.00	183.00	15.00		83.00
682.00	2.00	3.00	4.00	44.00	66.00	8.60	15.00	63.80	5.00		32.00
683.00	1.00	3.00	23.00	51.00	91.00	13.40	23.00	85.10	9.00		37.50
684.00	1.00	2.00	13.00	46.50	76.20	9.80	18.50	81.30	6.00		35.50
685.00	1.00	2.00	13.00	46.00	76.00	10.20	19.10	81.30	6.00		35.60
686.00	1.00	1.00	213.00		176.00	71.70	57.00	183.00	5.00		81.30
687.00	1.00	1.00	215.00		179.00	71.20	59.20	178.00	9.00		75.00
688.00	1.00	1.00	225.00		193.00	71.30	64.00	191.00	9.00		75.30
689.00	1.00	1.00	180.00		173.00	61.50	59.80	177.00	6.00		72.50
690.00	1.00	1.00	217.00		174.00	62.90	60.10	178.00	8.00		76.20
691.00	1.00	1.00	180.00		173.00	61.60	56.20	171.00	7.00		74.00
692.00	1.00	1.00	203.00		182.00	62.60	60.00	180.00	8.00		77.50
693.00	1.00	1.00	199.00		175.00	60.00	57.80	176.00	9.00		73.00
694.00	1.00	1.00	189.00		167.00	58.30	56.20	171.00	7.00		72.00
695.00	1.00	1.00	179.00		174.00	62.50	59.20	179.00	8.00		77.50
696.00	1.00	1.00	197.00		176.00	63.10	62.00	181.00	6.00		72.40
697.00	1.00	1.00	187.00		173.00	62.10	62.00	181.00	9.00		73.50
698.00	1.00	1.00	179.00		177.00	63.50	63.00	179.00	7.00		75.00
699.00	1.00	1.00	201.00		183.00	72.20	63.20	190.00	9.00		81.30
700.00	1.00	3.00	220.00		178.00	58.00	62.30	184.00	9.00		76.00
701.00	1.00	1.00	201.00		180.00	57.00	61.00	185.00	7.00		72.40
702.00	2.00	1.00	186.00		163.00	60.00	54.00	161.00	28.00		75.00
703.00	1.00	1.00	218.00		180.00	75.00	61.00	180.00	9.00		86.40
704.00	1.00	1.00	206.00		180.00	79.50	59.00	184.00	14.00		85.50
705.00	1.00	1.00	205.00		185.00	75.90	66.00	189.00	11.00		82.50
706.00	1.00	1.00	167.00	55.50	162.00	43.00	52.50	160.00	6.00		65.00
707.00	1.00	1.00	130.00	56.00	152.00	49.30	48.00	151.00	18.00		76.00
708.00	2.00	1.00	166.00	56.00	163.00	53.80	53.00	163.00	21.00		66.00
709.00	1.00	1.00	126.00	53.00	144.00	36.40	49.00	143.00	13.00		62.00
710.00	2.00	1.00	118.00	55.50	135.00	44.10	44.50	132.00	16.00		70.50
711.00	2.00	1.00	109.00	54.00	133.00	28.20	43.50	133.00	13.00		58.00
712.00	2.00	1.00	110.00	53.00	136.00	44.10	43.00	136.00	8.00		58.00
713.00	2.00	1.00	109.00	54.00	135.00	33.00	43.00	135.00	7.00		57.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSR	BICEPSKR	WAIST
714.00	1.00	1.00	136.00	55.00	153.00	50.00	50.50	157.00	11.00		70.50
715.00	1.00	1.00	133.00	54.00	127.00	32.80	46.00	134.00	16.00		60.50
716.00	1.00	3.00	83.00	52.30	117.00	20.90	38.00	117.00	9.00		52.30
717.00	1.00	1.00	79.00	53.00	118.00	21.50	38.00	116.00	8.00		53.00
718.00	1.00	1.00	83.00	51.80	122.00	21.40	39.50	119.00	7.00		51.80
719.00	2.00	1.00	75.00	52.00	115.00	43.80	36.00	112.00	8.00		53.00
720.00	2.00	1.00	74.00	53.80	124.00	25.50	40.00	121.00	12.00		56.00
721.00	2.00	2.00	251.00		170.00	54.50		168.00			66.00
722.00	1.00	2.00	237.00		165.00	59.00		161.00			71.00
723.00	2.00	1.00	92.00		123.00	25.00		120.00			54.50
724.00	1.00	2.00	92.00		122.00	24.80		118.00			53.50
725.00	2.00	1.00	244.00		180.00	64.50		176.00			79.00
726.00	1.00	1.00	239.00		165.00	68.90		162.00			74.00
727.00	1.00	1.00	93.00		130.00	29.50		129.00			59.00
728.00	1.00	1.00	90.00		130.00	31.30		126.00			59.50
729.00	1.00	1.00	94.00		126.00	32.80		119.00			68.50
730.00	2.00	2.00	105.00		137.00	29.80		133.00			58.00
731.00	2.00	2.00	97.00		135.00	35.50		133.00			69.00
732.00	2.00	2.00	100.00		128.00	28.40		119.00			58.50
733.00	2.00	1.00	99.00		130.00	30.50		126.00			62.50
734.00	1.00	2.00	95.00		121.00	24.30		118.00			56.00
735.00	2.00	1.00	100.00		119.00	22.70		114.00			52.00
736.00	1.00	2.00	104.00		126.00	25.70		122.00			54.50
737.00	2.00	1.00	102.00		133.00	31.80		133.00			61.50
738.00	1.00	1.00	94.00		131.00	27.70		127.00			57.50
739.00	1.00	1.00	122.00		154.00	59.80		154.00			75.50
740.00	2.00	2.00	114.00		139.00	38.00		140.00			61.00
741.00	1.00	1.00	130.00		137.00	26.80		137.00			53.50
742.00	1.00	1.00	119.00		141.00	38.00		144.00			61.50
743.00	1.00	1.00	116.00		140.00	46.00		140.00			70.50
744.00	1.00	1.00	122.00		150.00	52.00		147.00			73.50
745.00	2.00	1.00	116.00		136.00	27.30		131.00			54.50
746.00	1.00	1.00	116.00		135.00	26.80		129.00			53.00
747.00	1.00	1.00	126.00		140.00	45.50		138.00			72.00
748.00	2.00	1.00	230.00		172.00	58.50		173.00			71.80
749.00	2.00	3.00	241.00		178.00	68.00		174.00			79.00
750.00	1.00	1.00	132.00		141.00	42.00		136.00			75.00
751.00	2.00	2.00	37.00		98.00	13.00		93.00			46.00
752.00	1.00	1.00	50.00		99.00	15.00		95.00			48.00
753.00	2.00	1.00	38.00		99.00	14.00		96.00			46.00
754.00	1.00	2.00	117.00		122.00	23.00		123.00			55.00
755.00	2.00	1.00	155.00		154.00	38.50		154.00			62.00
756.00	1.00	2.00	15.00		77.00	10.60		74.00			48.00
757.00	1.00	1.00	167.00		171.00	58.00		168.00			67.00
758.00	2.00	2.00	109.00		132.00	25.50		128.00			56.00
759.00	2.00	1.00	106.00		141.00	34.00		137.00			56.00
760.00	2.00	1.00	68.00		115.00	19.00		113.00			47.00
761.00	1.00	2.00	100.00		132.00	25.00		131.00			53.00
762.00	1.00	1.00	128.00		151.00	37.00		147.00			58.50
763.00	1.00	2.00	116.00		141.00	31.80		139.00			56.00
764.00	2.00	1.00	113.00		147.00	37.00		142.00			56.00
765.00	2.00	1.00	102.00		133.00	24.50		128.00			52.00
766.00	2.00	2.00	80.00		118.00	19.50		116.00			51.50
767.00	1.00	2.00	139.00		141.00	28.20		138.00			56.50
768.00	1.00	1.00	79.00		122.00	21.80		118.00			56.00
769.00	2.00	1.00	31.00		92.00	15.00		88.00			52.00
770.00	1.00	2.00	35.00		94.00	13.50		90.00			50.00
771.00	2.00	2.00	28.00		76.00	9.50					44.00
772.00	1.00	2.00	24.00		91.00	14.50		87.00			
773.00	1.00	2.00	33.00		82.00	15.00		83.00			52.50
774.00	2.00	2.00	89.00		123.00	22.00		116.00			52.50
775.00	2.00	1.00	90.00		122.00	21.00		122.00			51.00
776.00	2.00	1.00	84.00		117.00	22.50		116.00			56.00
777.00	1.00	1.00	245.00		165.00	61.40		165.00			82.50
778.00	2.00	1.00	85.00		122.00	22.50		122.00			54.00
779.00	2.00	1.00	230.00		175.00	68.00		177.00			82.50
780.00	2.00	1.00	245.00		175.00	64.00		176.00			68.50
781.00	2.00	2.00	249.00		185.00	75.00		188.00			84.00
782.00	1.00	1.00	12.00		76.00	10.00		70.00			44.00
783.00	2.00	1.00	235.00		167.00	56.50		163.00			68.00
784.00	1.00	1.00	238.00		170.00	62.00		173.00			69.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
785.00	1.00	1.00	235.00		175.00	71.60		175.00			80.00
786.00	2.00	2.00	242.00		165.00	54.50		173.00			65.00
787.00	2.00	1.00	237.00		180.00	79.10		180.00			81.00
788.00	2.00	1.00	205.00		178.00	68.00		174.00			79.00
789.00	2.00	2.00	226.00		174.00	67.10		180.00			73.00
790.00	1.00	2.00	238.00		185.00	75.50		185.00			77.00
791.00	2.00	1.00	124.00		140.00	39.00		140.00			66.00
792.00	1.00	1.00	250.00		153.00	71.50		154.00			78.00
793.00	2.00	1.00	127.00		137.00	33.50		137.00			60.00
794.00	2.00	1.00	131.00		145.00	35.50		144.00			64.00
795.00	1.00	1.00	244.00		180.00	75.00		180.00			86.50
796.00	2.00	1.00	83.00		122.00	23.00		121.00			60.00
797.00	2.00	1.00	75.00		116.00	18.50		117.00			48.00
798.00	1.00	2.00	72.00		117.00	22.00		116.00			53.00
799.00	1.00	1.00	76.00		117.00	22.50		117.00			53.00
800.00	1.00	1.00	78.00		125.00	23.50		126.00			58.00
801.00	1.00	1.00	241.00		178.00	58.00		184.00			76.00
802.00	2.00	1.00	1.00		56.00	5.30		53.00			43.20
803.00	1.00	2.00	211.00		152.00	60.90		150.00	6.00		86.40
804.00	1.00	2.00	205.00		158.00	60.90		157.00	8.00		86.40
805.00	1.00	1.00	207.00		170.00	65.90		168.00	12.00		83.40
806.00	1.00	1.00	212.00		169.00	71.40		168.00	7.00		86.40
807.00	1.00	1.00	212.00		153.00	60.00		150.00	4.00		83.80
808.00	2.00	1.00	205.00		160.00	55.00		159.00	12.00		55.90
809.00	2.00	1.00	208.00		138.00	62.70		168.00	16.00		63.50
810.00	2.00	1.00	204.00		157.00	56.40		157.00	10.00		
811.00	2.00	1.00	207.00		155.00	46.40		153.00	8.00		
812.00	2.00	1.00	210.00		155.00	45.90		152.00	22.00		
813.00	2.00	1.00	212.00		155.00	48.20		154.00	10.00		
814.00	2.00	1.00	209.00		152.00	44.50		148.00	6.00		
815.00	2.00	1.00	207.00		157.00	52.30		156.00	18.00		58.40
816.00	2.00	1.00	198.00		152.00	45.50			10.00		
817.00	2.00	1.00	197.00		145.00	54.50		142.00	22.00		61.00
818.00	2.00	1.00	196.00		145.00	46.80		143.00	24.00		
819.00	1.00	1.00	217.00		173.00	72.70		168.00	17.00		81.30
820.00	1.00	1.00	220.00		163.00	66.00		161.00	14.00		86.40
821.00	1.00	1.00	221.00		183.00	89.10		183.00	24.00		88.90
822.00	1.00	1.00	219.00		180.00	85.00		178.00	22.00		86.40
823.00	1.00	1.00	225.00		173.00	72.30		172.00	10.00		83.80
824.00	1.00	1.00	178.00		178.00	83.20		177.00	22.00		83.80
825.00	1.00	1.00	217.00		173.00	74.50		174.00	18.00		83.80
826.00	1.00	1.00	227.00		183.00	84.10		182.00	18.00		
827.00	2.00	1.00	225.00		157.00	54.50		156.00	14.00		71.10
828.00	2.00	1.00	218.00		160.00	59.50		158.00	16.00		71.10
829.00	2.00	1.00	240.00		163.00	61.40		162.00	22.00		81.30
830.00	2.00	1.00	249.00		165.00	72.70		164.00	24.00		86.40
831.00	2.00	1.00	250.00		165.00	62.70		163.00	20.00		83.80
832.00	2.00	2.00	241.00		155.00	52.70		154.00	10.00		61.00
833.00	2.00	2.00	250.00		157.00	59.10		156.00	16.00		71.10
834.00	2.00	2.00	243.00		173.00	68.20		171.00	14.00		81.30
835.00	2.00	2.00	242.00		170.00	69.10		168.00	14.00		78.70
836.00	2.00	3.00	243.00		163.00	70.90		162.00	14.00		86.40
837.00	2.00	1.00	248.00		152.00	56.80		152.00	22.00		73.70
838.00	2.00	1.00	249.00		175.00	70.00		173.00	16.00		78.80
839.00	2.00	1.00	247.00		157.00	45.50		156.00	18.00		66.00
840.00	2.00	1.00	248.00		164.00	49.50		164.00	16.00		68.60
841.00	2.00	1.00	241.00		170.00	65.00		168.00	18.00		86.40
842.00	2.00	1.00	242.00		162.00	77.30		162.00	30.00		
843.00	2.00	1.00	245.00		165.00	83.20		164.00	30.00		
844.00	2.00	1.00	247.00		168.00	65.90		167.00	22.00		81.30
845.00	1.00	3.00	249.00		183.00	85.50		182.00	12.00		86.40
846.00	1.00	3.00	240.00		185.00	95.50		184.00	18.00		91.40
847.00	1.00	1.00	241.00		180.00	83.60		178.00	22.00		86.40
848.00	1.00	1.00	243.00		175.00	79.50		174.00	16.00		81.30
849.00	1.00	1.00	246.00		180.00	80.90		178.00	22.00		83.80
850.00	1.00	1.00	250.00		183.00	88.60		182.00	20.00		86.40
851.00	1.00	1.00	251.00		173.00	78.20		172.00	22.00		83.80
852.00	1.00	1.00	244.00		178.00	81.80		176.00	24.00		78.70
853.00	1.00	1.00	249.00		183.00	95.50		181.00	28.00		81.30
854.00	1.00	1.00	243.00		185.00	97.70		184.00	22.00		86.40
855.00	1.00	1.00	240.00		185.00	94.50		185.00	32.00		86.40

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
856.00	1.00	1.00	251.00		178.00	84.10		176.00	20.00		86.40
857.00	1.00	1.00	242.00		180.00	87.30		179.00	30.00		
858.00	1.00	1.00	243.00		183.00	84.10		180.00	20.00		83.80
859.00	1.00	1.00	239.00		183.00	86.40		180.00	20.00		86.40
860.00	1.00	1.00	227.00		185.00	97.70		184.00	28.00		91.40
861.00	1.00	1.00	230.00		180.00	79.50		178.00	18.00		81.30
862.00	1.00	1.00	237.00		175.00	75.00		174.00	22.00		83.80
863.00	1.00	1.00	237.00		155.00	80.50		151.00	22.00		83.80
864.00	1.00	1.00	230.00		183.00	86.80		182.00	18.00		83.80
865.00	1.00	1.00	228.00		173.00	70.50		173.00	22.00		81.30
866.00	1.00	1.00	232.00		178.00	78.60		177.00	18.00		81.30
867.00	1.00	1.00	231.00		178.00	76.40		176.00	18.00		81.30
868.00	1.00	1.00	233.00		170.00	65.90		168.00	18.00		76.20
869.00	1.00	1.00	235.00		168.00	62.30		167.00	16.00		73.70
870.00	1.00	1.00	238.00		173.00	65.90		171.00	20.00		78.70
871.00	1.00	1.00	230.00		175.00	69.10		174.00	22.00		78.70
872.00	1.00	1.00	229.00		178.00	79.10		177.00	32.00		86.40
873.00	1.00	1.00	228.00		183.00	99.00		182.00	22.00		
874.00	2.00	1.00	228.00		163.00	61.40		159.00	26.00		81.30
875.00	2.00	1.00	238.00		165.00	72.70		164.00	24.00		86.40
876.00	2.00	1.00	231.00		165.00	63.60		162.00	28.00		81.30
877.00	2.00	1.00	239.00		155.00	55.00		154.00	24.00		66.00
878.00	2.00	1.00	229.00		157.00	59.10		156.00	30.00		71.10
879.00	2.00	1.00	228.00		173.00	70.50		172.00	32.00		86.40
880.00	2.00	1.00	229.00		170.00	75.00		168.00	28.00		86.40
881.00	2.00	1.00	230.00		163.00	64.50		163.00	18.00		86.40
882.00	2.00	1.00	231.00		152.00	41.40		149.00	34.00		60.10
883.00	2.00	1.00	228.00		175.00	84.40		174.00	18.00		
884.00	2.00	1.00	229.00		157.00	50.00		154.00	24.00		66.00
885.00	2.00	1.00	228.00		173.00	79.60		171.00	20.00		
886.00	2.00	1.00	237.00		152.00	46.40		151.00	18.00		61.00
887.00	2.00	1.00	238.00		151.00	51.40		156.00	18.00		76.20
888.00	2.00	1.00	231.00		157.00	44.50		157.00	18.00		61.00
889.00	2.00	3.00	31.00		96.00	15.50		94.00			53.50
890.00	2.00	3.00	29.00		92.00	13.30		91.00			45.00
891.00	2.00	3.00	25.00		93.00	15.80		88.00			54.00
892.00	1.00	3.00	28.00		88.00	13.60		89.00			47.50
893.00	1.00	3.00	24.00		88.00	13.80		83.00			47.50
894.00	1.00	3.00	28.00		93.00	19.40		84.00			60.00
895.00	1.00	3.00	29.00		90.00	11.80		80.00			42.00
896.00	1.00	3.00	33.00		91.00	12.90		88.00			43.50
897.00	1.00	3.00	18.00		92.00	13.20		84.00			44.00
898.00	1.00	3.00	14.00		74.00	8.40		75.00			
899.00	1.00	3.00	12.00		77.00	10.90		79.00			42.00
900.00	2.00	3.00	20.00		82.00	10.90		78.00			43.50
901.00	1.00	3.00	9.00		71.00	9.30		69.00			44.00
902.00	1.00	3.00	1.00		58.00	5.80		58.00			42.00
903.00	1.00	3.00	7.00		74.00	11.10		74.00			47.00
904.00	1.00	3.00	2.00		59.00	6.80		59.00			42.50
905.00	1.00	3.00	4.00		63.00	6.20		61.00			38.00
906.00	1.00	3.00	1.00		56.00	5.00		53.00			37.00
907.00	1.00	3.00	8.00		69.00	7.20		67.00			42.00
908.00	1.00	3.00	7.00		70.00	9.60		73.00			44.50
909.00	1.00	3.00	9.00		70.00	9.30		69.00			44.00
910.00	2.00	3.00	5.00		67.00	7.20		66.00			37.00
911.00	2.00	3.00	1.00		55.00	4.20		52.00			33.50
912.00	2.00	3.00	5.00		64.00	8.30		64.00			47.00
913.00	2.00	3.00	2.00		50.00	3.60		47.00			33.50
914.00	2.00	3.00	11.00		71.00	8.10		67.00			41.00
915.00	2.00	3.00	0.00		54.00	4.40		50.00			36.00
916.00	1.00	3.00	18.00		87.00	11.00		86.00	12.00		48.00
917.00	2.00	1.00	117.00		147.00	49.00		140.00	22.00		74.00
918.00	1.00	1.00	122.00		130.00	27.00		128.00	10.00		55.50
919.00	1.00	2.00	157.00		171.00	58.00		171.00	11.00		76.00
921.00	2.00	1.00	116.00		142.00	35.00		136.00	16.00		58.50
922.00	2.00	2.00	101.00		135.00	30.00		134.00	8.00		55.00
923.00	2.00	1.00	96.00		132.00	25.00		127.00	8.00		52.50
924.00	2.00	1.00	111.00		133.00	24.00		127.00	10.00		53.50
925.00	1.00	1.00	149.00		147.00	36.00		139.00	9.00		58.50
926.00	2.00	1.00	186.00		172.00	32.00		177.00	20.00		77.00
927.00	2.00	5.00	185.00		169.00	58.00		175.00	4.00		70.50

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
928.00	1.00	1.00	203.00		179.00	76.00		183.00	18.00		76.00
929.00	2.00	5.00	17.00		81.00	12.50		81.00	6.00		49.00
930.00	2.00	5.00	17.00		81.00	12.50		81.00	10.00		51.00
931.00	2.00	1.00	204.00		185.00	68.50		183.00	4.00		75.00
932.00	1.00	2.00	185.00		161.00	76.00		180.00	20.00		73.70
933.00	1.00	5.00	182.00		169.00	58.00		176.00	8.00		69.00
934.00	1.00	1.00	186.00		169.00	61.00		166.00	10.00		69.00
935.00	1.00	1.00	188.00		157.00				40.00		
936.00	1.00	1.00	178.00		183.00	69.00			10.00		77.00
937.00	2.00	5.00	134.00		160.00	52.00		160.00	8.00		68.00
938.00	2.00	5.00	111.00		135.00	29.00		135.00	8.00		60.00
939.00	1.00	5.00	79.00		131.00	28.00		130.00	8.00		68.00
940.00	1.00	5.00	70.00		109.00	22.00		109.00	9.00		53.00
941.00	1.00	5.00	49.00		107.00	22.00		106.00	8.00		62.00
942.00	1.00	1.00	11.00		69.00	8.60		67.00	8.00		
943.00	1.00	1.00	6.00		67.00	7.70			11.00		
944.00	2.00	1.00	20.00		80.00	10.70		79.00	12.00		51.00
945.00	1.00	1.00	22.00		81.00	11.40		75.00	8.00		47.00
946.00	2.00	1.00	18.00		76.00	11.10		75.00	8.00		52.00
947.00	2.00	1.00	18.00		68.00	10.30			6.00		52.00
948.00	2.00	1.00	28.00		85.00	11.60		83.00	9.00		46.00
949.00	1.00	1.00	24.00		89.00	13.00		86.00	9.00		48.00
950.00	2.00	1.00	24.00		98.00	15.70		95.00	10.00		53.00
951.00	2.00	1.00	24.00		84.00	11.40		78.00	8.00		45.00
952.00	1.00	1.00	37.00		89.00	12.50		87.00	9.00		49.00
953.00	2.00	2.00	36.00		94.00	15.00		94.00	8.00		54.00
954.00	1.00	1.00	48.00		104.00	15.00		98.00	8.00		54.00
955.00	2.00	1.00	51.00		109.00	21.40		109.00	8.00		54.00
956.00	2.00	3.00	60.00		107.00	17.00		109.00	8.00		49.00
957.00	1.00	1.00	63.00		104.00	18.70		103.00	8.00		56.00
958.00	2.00	1.00	79.00		121.00	20.50		113.00	10.00		52.00
959.00	1.00	1.00	83.00		119.00	19.00		118.00	7.00		50.50
960.00	2.00	1.00	81.00		124.00	24.10		120.00	10.00		55.00
961.00	1.00	1.00	86.00		121.00	22.70			6.00		56.50
962.00	1.00	1.00	92.00		129.00	24.10		122.00	8.00		54.50
963.00	2.00	1.00	108.00		125.00	28.00		124.00	12.00		68.00
964.00	1.00	4.00	111.00		155.00	38.60		155.00	12.00		70.00
965.00	2.00	4.00	115.00		125.00	27.00		125.00	10.00		57.00
966.00	1.00	4.00	114.00		128.00	28.00		128.00	10.00		61.50
967.00	2.00	4.00	117.00		136.00	45.00		136.00	18.00		75.00
968.00	2.00	5.00	112.00		133.00	26.00		131.00	8.00		58.00
969.00	1.00	4.00	116.00		141.00	41.00		141.00	17.00		71.00
970.00	1.00	4.00	110.00		135.00	32.00		135.00	12.00		68.00
971.00	1.00	4.00	118.00		135.00	34.50		135.00	12.00		63.00
972.00	2.00	4.00	111.00		141.00	35.00		139.00	12.00		63.00
973.00	2.00	4.00	116.00		142.00	33.00		142.00	10.00		56.00
974.00	2.00	4.00	116.00		137.00	36.00		137.00	10.00		66.00
975.00	1.00	4.00	118.00		142.00	33.00		138.00	8.00		66.00
976.00	1.00	4.00	118.00		145.00	36.00		145.00	10.00		64.50
977.00	2.00	4.00	125.00		148.00	47.00		148.00	14.00		68.00
978.00	1.00	4.00	123.00		148.00	36.00		148.00	7.00		62.00
979.00	2.00	4.00	131.00		135.00	26.00		135.00	8.00		55.00
980.00	2.00	4.00	131.00		124.00	23.00		124.00	8.00		56.00
981.00	1.00	1.00	153.00		157.00	71.40		159.00	21.00		86.00
982.00	2.00	1.00	152.00		157.00	58.00		157.00	12.00		76.00
983.00	1.00	1.00	144.00		145.00	43.00		147.00	16.00		66.00
984.00	2.00	1.00	152.00		165.00	75.00		163.00	17.00		
985.00	2.00	1.00	154.00		165.00	65.00			20.00		79.00
986.00	1.00	1.00	156.00		165.00	46.00		163.00	7.00		67.00
987.00	2.00	1.00	145.00		165.00	54.10		166.00	14.00		75.00
988.00	2.00	1.00	152.00		175.00			171.00	14.00		
989.00	2.00	1.00	152.00		173.00	58.00		166.00	12.00		69.00
990.00	1.00	1.00	153.00		158.00	71.00		159.00	21.00		86.00
991.00	2.00	1.00	152.00		176.00	82.00		145.00	14.00		
992.00	2.00	1.00	160.00		161.00	55.00			11.00		71.00
993.00	1.00	1.00	161.00		170.00	80.00		170.00	20.00		
994.00	2.00	1.00	160.00		145.00	40.00		145.00	10.00		62.00
995.00	2.00	1.00	160.00		164.00	50.00		164.00	8.00		63.00
996.00	2.00	1.00	158.00		158.00	52.00		163.00	10.00		71.00
997.00	2.00	1.00	162.00		163.00	55.00		163.00	13.00		63.00
998.00	2.00	1.00	156.00		166.00	54.00		166.00	14.00		75.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
999.00	1.00	1.00	161.00		173.00	8.50		170.00	20.00		
1000.00	2.00	1.00	159.00		166.00	54.50		165.00	15.00		72.00
1001.00	1.00	1.00	156.00		167.00	93.00		170.00	22.00		
1002.00	1.00	1.00	158.00		155.00	50.50		157.00	12.00		76.00
1003.00	1.00	1.00	182.00		177.00	62.00		175.00	8.00		68.00
1004.00	2.00	1.00	175.00		159.00	55.00		159.00	12.00		69.00
1005.00	2.00	1.00	173.00		153.00	62.00		171.00	30.00		79.00
1006.00	1.00	1.00	187.00		182.00	56.00		183.00	10.00		69.00
1007.00	1.00	1.00	176.00		170.00	95.00		175.00	30.00		
1008.00	1.00	2.00	232.00		180.00	78.50		178.00	20.00		81.30
1009.00	2.00	1.00	124.00	52.50	146.00	39.10		145.00	7.00		63.00
1010.00	2.00	1.00	157.00	56.00	157.50	59.10		162.00	18.00		80.00
1011.00	1.00	1.00	47.00	57.50	111.00	21.80		116.00	10.00		54.00
1012.00	2.00	1.00	240.00	55.00	168.00	81.80		168.00	22.00		94.00
1013.00	2.00	1.00	241.00	54.50	175.30	58.20		179.00	10.00		74.00
1014.00	2.00	1.00	71.00	52.00	118.00	24.10		126.00	13.00		57.50
1015.00	2.00	1.00	77.00	52.00	122.00	22.70		122.50	10.00		57.00
1016.00	2.00	1.00	33.00	48.00	94.00	14.50		96.00	10.00		48.00
1017.00	2.00	1.00	246.00	56.00	167.60	63.60		166.00	15.00		84.00
1018.00	2.00	1.00	236.00	57.50	175.30	70.50		172.00	22.00		76.00
1019.00	2.00	1.00	241.00	58.00	170.00	60.00		169.00	12.00		77.00
1020.00	1.00	1.00	221.00	57.00	182.90	77.30		175.00	12.00		83.00
1021.00	1.00	1.00	224.00	59.00	188.00	81.80		178.00	9.00		85.00
1022.00	1.00	1.00	180.00	57.00	165.00	75.00		165.00			92.00
1023.00	1.00	1.00	240.00	55.50	172.70	73.60		178.00	11.00		84.00
1024.00	1.00	1.00	174.00	54.00	155.00	43.20		159.00	8.00		68.00
1025.00	1.00	2.00	176.00	60.50	184.00	90.40		182.00	18.00		
1026.00	1.00	1.00	168.00	56.50	175.00	80.90		177.00	12.00		
1027.00	2.00	2.00	196.00	54.00	160.00	52.30		162.00	15.00		68.00
1028.00	2.00	1.00	193.00	54.00	165.10	47.30		158.00	17.00		62.50
1029.00	2.00	1.00	204.00	60.00	179.10	67.80		174.00	13.00		77.00
1030.00	2.00	2.00	195.00	58.00	155.00			162.00	20.00		
1031.00	2.00	1.00	202.00	56.50	156.20	72.30		149.00	22.00		80.00
1032.00	2.00	1.00	203.00	58.00	180.30	49.10		188.00			
1033.00	1.00	1.00	202.00	58.00	180.30	60.00		188.00	8.00		72.00
1034.00	1.00	1.00	203.00	58.00	190.50	103.60					
1035.00	1.00	3.00	198.00	53.00	168.90	44.50		170.00	10.00		69.00
1036.00	1.00	2.00	200.00	58.00	188.00	72.80		184.00			78.00
1037.00	1.00	1.00	184.00	55.00	165.00	56.40		166.00			74.00
1038.00	1.00	1.00	171.00	57.50	175.30	61.00		182.00			78.00
1039.00	1.00	2.00	174.00	54.50	185.40	81.00		186.00	8.00		
1040.00	1.00	2.00	210.00	57.50	180.00	66.00		183.00			73.00
1041.00	1.00	1.00	208.00	55.50	188.00	59.10		178.00			72.00
1042.00	2.00	1.00	51.00	50.00	99.10	16.00		108.00	8.00		47.50
1043.00	2.00	1.00	31.00	50.50	98.00	16.00		102.00	12.00		53.00
1044.00	2.00	1.00	34.00	49.00	93.00	14.50		98.00	16.00		53.00
1045.00	2.00	1.00	24.00	48.50	88.00	12.30		89.00	10.00		47.50
1046.00	1.00	1.00	33.00	49.50	96.00	13.60		92.00	8.00		51.00
1047.00	2.00	1.00	21.00	49.00	89.00	13.60		88.00	12.00		48.00
1048.00	2.00	1.00	29.00	47.00	83.00	11.40		84.00	13.00		48.00
1049.00	2.00	1.00	26.00	50.50	89.50	13.60		88.00	12.00		52.00
1050.00	2.00	1.00	27.00	50.00	88.00	13.60		90.00	12.00		48.00
1051.00	1.00	1.00	143.00	56.00	153.70	43.20		152.00	12.00		74.00
1052.00	1.00	1.00	48.00	51.50	100.30	16.10		98.00	12.00		51.00
1053.00	1.00	1.00	120.00	52.00	134.00	30.00		136.00	10.00		
1054.00	2.00	1.00	37.00	51.00	96.00	16.00		92.00	10.00		58.00
1055.00	1.00	1.00	6.00	47.00	71.40	9.50		70.00	14.00		50.00
1056.00	1.00	2.00	6.00	46.00	70.00	9.30		64.00	16.00		48.00
1057.00	1.00	2.00	6.00	45.50	70.00	9.10		72.00			42.00
1058.00	1.00	1.00	55.00	50.00	101.60	17.50		98.00	10.00		55.00
1059.00	2.00	2.00	12.00	47.00	86.00	10.50		88.00	6.00		53.00
1060.00	2.00	1.00	72.00	51.00	111.80	22.70		108.00	14.00		
1061.00	2.00	1.00	69.00	50.00	109.20	21.80		106.00	12.00		
1062.00	1.00	2.00	12.00	48.00	65.00	8.30			8.00		48.00
1063.00	1.00	1.00	13.00	48.00	67.00	9.40			8.00		51.00
1064.00	1.00	1.00	40.00	51.00	94.00	19.00		93.00	8.00		57.00
1065.00	1.00	1.00	1.00	37.00	58.40	4.60		56.00	6.00		45.00
1066.00	1.00	2.00	1.00	38.00	56.00	4.30		53.30	6.00		44.00
1067.00	2.00	1.00	217.00	55.00	172.00	57.60		171.00	14.00		74.00
1068.00	2.00	1.00	228.00	56.00	171.00	60.00		170.00			78.00
1069.00	2.00	1.00	239.00	57.00	162.00	57.50		163.00	12.00		71.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1070.00	1.00	1.00	218.00	55.50	180.00	72.00		181.00	16.00		78.00
1071.00	1.00	1.00	231.00	56.00	182.00	73.00		180.00	18.00		84.00
1072.00	2.00	1.00	220.00	57.00	163.00	62.00		164.00	17.00		72.00
1073.00	1.00	1.00	226.00	59.00	187.00	76.00		190.00			86.00
1074.00	2.00	1.00	197.00	58.00	160.00			159.00			62.00
1075.00	2.00	1.00	35.00	43.00	81.30	10.50		80.00	5.00		
1076.00	2.00	1.00	97.00	55.00	119.00	24.00		120.00	8.00		53.00
1077.00	1.00	1.00	46.00	49.00	79.00	11.00		80.00	8.00		48.00
1078.00	2.00	1.00	68.00	53.00	112.00	20.00		112.00	8.00		53.00
1079.00	2.00	1.00	229.00	56.00	167.00	61.40		167.50	14.00		70.00
1080.00	2.00	1.00	237.00	58.00	175.30	68.20		176.00	20.00		79.00
1081.00	2.00	1.00	242.00	55.00	165.00	60.00		164.50	19.00		77.00
1082.00	2.00	1.00	237.00	51.00	155.00	47.70		153.00	18.00		73.50
1083.00	2.00	1.00	243.00	56.00	160.00	50.00		159.00	19.00		75.50
1084.00	2.00	1.00	240.00	57.00	175.00	68.00		174.00	21.00		81.00
1085.00	1.00	1.00	244.00	58.00	180.00	82.00		182.00	14.00		86.00
1086.00	1.00	1.00	242.00	56.00	175.00	76.00		177.00	12.00		84.00
1087.00	2.00	1.00	243.00	59.00	182.00	78.00		181.00			83.50
1088.00	2.00	1.00	244.00	57.00	177.80	81.00		176.00	18.00		69.00
1089.00	2.00	1.00	233.00	58.00	177.80	70.00		177.00			68.00
1090.00	1.00	1.00	221.00	58.00	168.00	57.00		170.00			66.00
1091.00	2.00	1.00	239.00	55.00	163.00	59.00		162.00	20.00		65.00
1092.00	1.00	1.00	222.00	60.00	175.00	72.00		173.00			73.00
1093.00	1.00	1.00	225.00	57.00	180.00	80.00		179.00	20.00		86.00
1094.00	1.00	1.00	220.00	57.00	183.00	90.00		185.00	20.00		88.00
1095.00	1.00	1.00	217.00	56.00	174.00	73.00		170.00	18.00		80.00
1096.00	2.00	1.00	231.00	58.00	163.00	54.50		161.00	15.00		65.00
1097.00	1.00	2.00	235.00	56.00	187.00	76.00		185.00	16.00		80.00
1098.00	2.00	1.00	216.00	57.00	172.70	66.00		170.00	18.00		75.00
1099.00	2.00	1.00	231.00	57.00	162.00	60.00		162.00	23.00		66.00
1100.00	2.00	1.00	217.00	58.00	170.00	61.00		170.00	21.00		78.00
1101.00	2.00	1.00	251.00	50.00	155.00	46.80		156.00	17.00		71.00
1102.00	2.00	1.00	214.00	53.50	165.00	56.80		164.00	20.00		78.70
1103.00	2.00	1.00	244.00	57.80	162.50			163.00			
1104.00	2.00	1.00	251.00	54.00		52.30		185.00	15.00		72.00
1105.00	2.00	1.00	34.00	51.00	91.40	14.00		87.00	8.00		
1106.00	1.00	1.00	36.00	48.00	94.00	14.30		82.00	10.00		52.00
1107.00	1.00	2.00	200.00	57.50	182.90	81.80		192.00			76.00
1108.00	1.00	1.00	58.00	51.00	104.00			110.00	12.00		55.00
1109.00	1.00	1.00	202.00	57.50	177.80	68.20		180.00			80.00
1110.00	1.00	1.00	209.00	58.50	167.60	60.00			10.00		70.00
1111.00	1.00	2.00	198.00	57.00	170.00			169.00	6.00		74.50
1112.00	1.00	1.00	199.00	58.00	177.80	59.40		168.00	8.00		81.00
1113.00	1.00	1.00	198.00	58.00	180.30	61.80		192.00	12.00		79.00
1114.00	2.00	1.00	199.00	52.00	160.00	57.00		168.00	12.00		73.50
1115.00	1.00	1.00	199.00	58.00	172.70	55.00		175.00	10.00		68.50
1116.00	1.00	1.00	205.00	57.00	180.30	64.50		178.00			72.00
1117.00	1.00	1.00	202.00	58.00	175.00	71.40		176.00	10.00		80.00
1118.00	1.00	1.00	207.00	56.50	185.00	74.50		196.00			79.00
1119.00	1.00	1.00	216.00	58.00	172.70	69.50			14.00		89.00
1120.00	1.00	1.00	199.00	55.50	170.20	62.70		170.00	10.00		79.00
1121.00	2.00	1.00	197.00	55.00	173.00	60.00		176.00	16.00		74.00
1122.00	1.00	1.00	169.00	55.00	162.60	46.80		160.00			65.00
1123.00	1.00	1.00	182.00	59.00	167.60	59.50		164.00	10.00		76.50
1124.00	1.00	1.00	174.00	58.50	165.10	74.10		168.00	12.00		83.00
1125.00	2.00	1.00	199.00	54.00	168.00	51.00		168.00	16.00		66.00
1126.00	1.00	1.00	180.00	56.50	162.60	66.80		178.00	12.00		91.00
1127.00	1.00	1.00	190.00	56.00	165.10	56.80		173.00			67.50
1128.00	1.00	1.00	170.00	56.50	165.10	51.80		168.00			70.00
1129.00	1.00	1.00	179.00	57.50	165.10	49.50		163.00			72.00
1130.00	2.00	1.00	207.00	56.00	167.00	61.40		166.00	12.00		73.50
1131.00	2.00	1.00	189.00	56.00	165.00	56.40		165.00	18.00		77.00
1132.00	2.00	1.00	172.00	53.00	161.00	45.00		174.00	8.00		66.00
1133.00	2.00	1.00	194.00	55.00	157.00	45.00		175.00	10.00		64.50
1134.00	2.00	1.00	188.00	55.00	160.00	55.00		166.00	20.00		71.00
1135.00	2.00	1.00	170.00	55.00	157.00	49.00		162.00	12.00		70.00
1136.00	2.00	3.00	196.00	55.00	160.00			174.00	12.00		
1137.00	2.00	1.00	174.00	57.00	168.90	49.50		168.00	18.00		66.00
1138.00	2.00	1.00	183.00	52.00	162.50	53.20		162.00	12.00		74.00
1139.00	2.00	1.00	175.00	54.50	157.50	50.90		162.00	16.00		71.00
1140.00	2.00	1.00	176.00	52.00	169.00	56.00		167.00	18.00		74.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1141.00	2.00	1.00	178.00	55.00		78.20		184.00	16.00		
1142.00	2.00	1.00	182.00	57.50	162.50	50.00		171.00	16.00		62.00
1143.00	2.00	2.00	176.00	56.00	152.00	43.20		158.00	16.00		62.00
1144.00	2.00	1.00	46.00	51.50	104.00	20.40		106.00	8.00		55.00
1145.00	2.00	1.00	50.00	48.00	90.00	13.60		88.00	8.00		50.00
1146.00	1.00	1.00	51.00	52.50	108.00	15.90		111.00	10.00		53.50
1147.00	2.00	1.00	34.00	50.50	101.00	15.90		102.00	14.00		51.00
1148.00	1.00	1.00	24.00	50.50	101.50	15.90		103.00	7.00		49.00
1149.00	1.00	1.00	52.00	51.50	103.00	16.40		105.00	9.00		53.00
1150.00	1.00	1.00	49.00	51.50	98.00	17.70		97.00	11.00		54.00
1151.00	2.00	1.00	49.00	50.00	100.00	17.30		97.00	8.00		53.00
1152.00	2.00	1.00	51.00	50.50	109.00	20.50		109.00	8.00		57.00
1153.00	2.00	1.00	53.00	51.50	103.00	17.30		104.00	12.00		51.00
1154.00	1.00	1.00	31.00	52.00	101.00	15.90		102.00	10.00		51.50
1155.00	2.00	1.00	48.00	48.00	89.00	14.00		90.00	8.00		53.00
1156.00	1.00	1.00	28.00	50.50	98.00	14.50		97.00			50.00
1157.00	2.00	1.00	32.00	50.00	88.00	14.50		87.00	9.00		49.00
1158.00	1.00	1.00	46.00	52.00	101.00	15.40		100.00	7.00		50.00
1159.00	1.00	1.00	46.00	51.00	98.00	14.50		96.00	9.00		51.00
1160.00	2.00	1.00	53.00	51.00	108.00	20.50		114.00	12.00		55.00
1161.00	1.00	1.00	51.00	54.50	104.00	20.50		112.00	10.00		54.00
1162.00	1.00	1.00	49.00	51.00	105.00	19.10		106.00	10.00		55.00
1163.00	2.00	1.00	235.00	55.50	172.70	66.80		171.00	24.00		85.00
1164.00	2.00	1.00	246.00	54.00	175.00	68.60		190.00	11.00		67.50
1165.00	2.00	1.00	246.00	55.00	178.00	54.50		188.00	14.00		66.00
1166.00	2.00	2.00	224.00	57.00	160.00	55.50			22.00		74.00
1167.00	2.00	1.00	223.00	55.00	160.00	55.90			24.00		75.00
1168.00	2.00	1.00	248.00	52.00	165.00	59.10		172.00	22.00		70.00
1169.00	2.00	1.00	241.00	53.00	162.50	53.60		174.00	16.00		65.50
1170.00	2.00	1.00	223.00	55.00	175.00	59.50		188.00	20.00		71.00
1171.00	2.00	1.00	250.00	54.00	160.00			164.00	12.00		73.00
1172.00	2.00	1.00	218.00	53.00	172.70	60.00		175.00	15.00		70.00
1173.00	2.00	1.00	236.00	56.50	167.60	60.00		181.00	14.00		67.00
1174.00	2.00	1.00	226.00	57.50	162.60	54.50			14.00		72.00
1175.00	2.00	1.00	224.00	54.00	152.40	52.30			14.00		72.50
1176.00	2.00	1.00	248.00	56.50	167.60	62.70		170.00	14.00		74.50
1177.00	1.00	1.00	232.00	58.50	180.30	79.50		185.00	12.00		85.00
1178.00	1.00	1.00	234.00	58.00	182.90	82.00		188.00	12.00		81.00
1179.00	1.00	1.00	245.00	57.50	182.90	80.90		186.00			84.00
1180.00	1.00	1.00	243.00	59.50	187.90	102.30		183.00			
1181.00	1.00	1.00	234.00	59.00	177.80	77.30		184.00	15.00		85.00
1182.00	1.00	1.00	247.00	58.50	182.90	88.20		191.00			89.00
1183.00	1.00	1.00	229.00	57.00	182.90	73.60		188.00	7.00		90.00
1184.00	1.00	1.00	250.00	57.50	172.70	77.30		168.00	9.00		82.50
1185.00	1.00	1.00	229.00	57.00	179.00	86.00		184.00			
1186.00	1.00	1.00	242.00	58.50	188.00	88.60		195.00	12.00		93.00
1187.00	2.00	1.00	233.00	53.50	157.50	50.90			12.00		61.00
1188.00	1.00	1.00	243.00	55.00	185.40	68.60		193.00	9.00		78.00
1189.00	2.00	1.00	232.00	54.00	167.60	51.80		183.00	10.00		62.00
1190.00	2.00	1.00	230.00	56.00	162.60	55.90			14.00		71.00
1191.00	2.00	1.00	216.00	57.00	165.10	58.60		182.00	16.00		71.00
1192.00	2.00	1.00	230.00	55.00	175.30	73.00		190.00	18.00		70.00
1193.00	1.00	2.00	244.00	58.50	177.80	72.70		190.00			76.00
1194.00	1.00	2.00	244.00	58.50	177.80	72.70		202.00			81.00
1195.00	1.00	2.00	244.00	57.00	180.30	84.10		196.00	12.00		86.50
1196.00	1.00	2.00	239.00	62.00	177.80	79.50		190.00			80.00
1197.00	1.00	1.00	229.00	58.00	188.00	84.00		199.00	12.00		85.00
1198.00	1.00	1.00	220.00	59.00	178.00	68.00		180.00	9.00		79.50
1199.00	1.00	2.00	223.00	58.00	180.00	70.00		194.00			75.00
1200.00	1.00	2.00	24.00	48.00	96.50	14.60		90.00	14.00		57.00
1201.00	1.00	1.00	17.00	45.00				82.50	8.00		48.00
1202.00	1.00	2.00	47.00	50.00	105.40	19.00		101.00	12.00		60.00
1203.00	1.00	1.00	18.00	44.00	83.20	11.80		80.00	8.00		51.00
1204.00	1.00	1.00	43.00	50.00	99.00	16.80		86.00	10.00		50.00
1205.00	2.00	1.00	230.00	56.00	178.00	73.00		174.00	20.00		72.00
1206.00	2.00	2.00	248.00	54.00	175.00	65.00		176.00	18.00		74.50
1207.00	2.00	1.00	227.00	56.50	163.80	59.00		163.00	15.00		73.00
1208.00	2.00	1.00	242.00	54.50	171.00	67.00		170.00	17.00		76.00
1209.00	2.00	1.00	246.00	55.00	166.40	54.00		166.00	19.00		74.00
1210.00	2.00	1.00	231.00	57.00	167.00	60.00		166.50	19.00		71.00
1211.00	2.00	1.00	232.00	55.50	165.50	59.00		166.00	20.00		72.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSR	BICEPSKF	WAIST
1212.00	2.00	1.00	230.00	54.50	168.00	61.00		168.00	22.00		73.50
1213.00	2.00	1.00	235.00	56.50	168.50	58.60		167.00	18.00		69.00
1214.00	2.00	1.00	249.00	55.50	177.00	66.00		177.00	17.00		75.00
1215.00	1.00	1.00	6.00	43.00	64.00	6.75			10.00		41.00
1216.00	1.00	1.00	1.00	35.50	55.20	4.40		53.00	10.00		49.00
1217.00	1.00	2.00	1.00	36.00	59.00	5.00		58.00	10.00		48.00
1218.00	2.00	1.00	38.00		82.00	12.30		81.00	10.00		49.00
1219.00	2.00	1.00	14.00		58.00	6.80		58.00	10.00		44.00
1220.00	1.00	2.00	16.00	42.00	63.00	7.00			10.00		51.00
1221.00	1.00	2.00	8.00	42.50	60.00	6.00		58.00	10.00		45.00
1222.00	2.00	1.00	0.00	36.00	56.00	4.50		54.00	8.00		46.00
1223.00	2.00	2.00	0.00	34.00	53.40	4.20		52.00	8.00		46.00
1224.00	1.00	1.00	248.00	47.00	185.00	72.50		183.00			86.00
1225.00	1.00	1.00	232.00		180.00	73.00		179.00	20.00		85.00
1226.00	1.00	2.00	230.00		179.00	71.00		175.00	18.00		79.00
1227.00	1.00	1.00	217.00		178.00	72.00		175.00	21.00		82.00
1228.00	1.00	2.00	245.00		182.00	73.00		180.00	18.00		83.00
1229.00	2.00	1.00	244.00	54.00	166.00	63.20		162.00	12.00		66.00
1230.00	2.00	3.00	242.00	55.00	157.70	52.30		154.00	10.00		62.00
1231.00	2.00	1.00	243.00	55.00	167.00	59.00		158.00	14.00		64.00
1232.00	2.00	1.00	229.00	55.00	166.00	63.00		166.00	17.00		74.00
1233.00	2.00	2.00	226.00	56.00	163.00	56.70		162.00	14.00		72.00
1234.00	2.00	1.00	247.00	53.00	177.00	65.00		177.00	16.00		76.00
1235.00	2.00	1.00	222.00	54.50	162.50	54.00		163.00	13.00		68.00
1236.00	1.00	2.00	234.00	57.00	180.00	77.00		177.00	12.00		83.00
1237.00	1.00	1.00	234.00	56.00	180.00	74.00		179.00	14.00		79.00
1238.00	2.00	1.00	225.00	55.50	164.00	55.90		165.00	15.00		69.00
1239.00	2.00	1.00	237.00	53.50	159.00	52.30		159.00	18.00		72.00
1240.00	2.00	1.00	235.00	53.50	163.00	55.50		162.00	20.00		70.00
1241.00	1.00	1.00	242.00	57.00	180.00	71.00		180.00			84.00
1242.00	2.00	1.00	246.00	55.50	161.30	54.50		162.00	18.00		73.00
1243.00	1.00	1.00	251.00	54.50	165.10	59.10		164.00	17.00		73.00
1244.00	1.00	1.00	251.00	57.50	175.00	70.00		176.00	18.00		80.00
1245.00	2.00	1.00	251.00	55.00	163.80	54.00		165.00	21.00		76.00
1246.00	2.00	1.00	250.00	54.50	162.60	60.00		163.00	22.00		74.00
1247.00	1.00	1.00	216.00	58.00	180.00	72.00		174.00			79.00
1248.00	2.00	1.00	233.00	56.50	168.90	65.90		168.00	19.00		73.00
1249.00	2.00	1.00	243.00	55.50	170.00	66.00		165.00	22.00		73.00
1250.00	2.00	1.00	250.00	54.00	154.00	53.60		159.00	23.00		72.00
1251.00	2.00	1.00	234.00	53.00	163.00	59.00		163.50	22.00		73.00
1252.00	2.00	1.00	229.00	56.00	172.70	72.00		168.00	20.00		68.00
1253.00	2.00	1.00	221.00	57.00	171.50	70.00		168.00	18.00		68.00
1254.00	1.00	1.00	59.00	49.00	110.00	21.50		114.00	11.00		55.00
1255.00	2.00	1.00	48.00	53.00	114.00	22.10		117.00	15.00		58.00
1256.00	1.00	1.00	55.00	52.50	117.00	18.00		119.00	12.00		52.00
1257.00	1.00	1.00	56.00	52.50	108.00			107.00	9.00		59.00
1258.00	1.00	1.00	48.00	51.50	101.00	18.00		103.00	11.00		54.00
1259.00	2.00	1.00	50.00	55.00	121.00	27.20		118.00	19.00		66.00
1260.00	1.00	1.00	55.00	52.25	103.00	17.20		106.00	12.00		53.00
1261.00	1.00	1.00	61.00	51.00	108.50	19.10		108.00	10.00		55.00
1262.00	2.00	1.00	59.00	51.00	107.00			107.00	9.00		53.00
1263.00	2.00	1.00	35.00	50.00	86.00	15.20		87.00	14.00		53.00
1263.00	2.00	1.00	56.00	50.00	99.50	16.00		99.00	8.00		52.50
1264.00	1.00	1.00	46.00	52.00	90.00	15.50		90.00	8.00		51.00
1265.00	1.00	1.00	45.00	51.00	104.00	17.70		103.00	11.00		56.00
1266.00	2.00	1.00	44.00	52.50	106.00	20.00		107.00	15.00		57.00
1267.00	1.00	1.00	37.00	50.50	88.00	20.00		104.00	10.00		61.00
1268.00	1.00	1.00	51.00	54.50	91.00	18.00		105.00	12.00		51.00
1269.00	1.00	1.00	50.00	53.50	101.00	21.00		108.00	8.00		58.00
1270.00	2.00	1.00	61.00	49.50	103.50	17.70		105.00	12.00		49.00
1271.00	1.00	1.00	60.00	56.00	123.00	35.40		126.00			67.00
1272.00	1.00	1.00	59.00	49.50	98.00	21.80		100.00	9.00		50.00
1273.00	1.00	1.00	58.00	52.00	104.00	21.40		105.00	10.00		54.50
1274.00	1.00	1.00	240.00	56.00	178.00	82.00		182.00	15.00		83.00
1275.00	1.00	1.00	249.00	57.00	183.00	84.10		186.00	16.00		89.00
1276.00	2.00	1.00	224.00	56.00	173.00	68.00		171.00	22.00		73.00
1277.00	2.00	1.00	223.00	55.00	170.00	65.00		168.00	23.00		75.00
1278.00	2.00	1.00	240.00	56.00	170.00	64.00		169.00	15.00		74.00
1279.00	2.00	1.00	176.00	56.00	171.00	61.00		164.00	20.00		79.00
1280.00	1.00	1.00	243.00	60.00	175.30	78.60		177.50	18.00		87.50
1281.00	1.00	1.00	240.00	56.00	188.00	84.10		186.00			90.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1282.00	1.00	1.00	261.00	60.00	177.80	93.20		170.50	18.00		
1283.00	1.00	1.00	243.00	59.50	180.30	81.80		171.00	10.00		86.00
1284.00	1.00	1.00	243.00	58.00	182.90	84.10		185.00	10.00		85.00
1285.00	1.00	1.00	233.00	58.50	180.30	86.40		180.00	10.00		84.00
1286.00	1.00	1.00	230.00	57.50	182.90	77.30		185.50	18.00		86.00
1287.00	1.00	1.00	247.00	58.50	193.00			198.00	14.00		
1288.00	1.00	1.00	236.00	58.50	188.00			189.00			
1289.00	1.00	1.00	243.00	58.00	167.60	72.70		162.00	20.00		
1290.00	1.00	1.00	249.00	58.00	188.00	80.00		188.00	18.00		81.00
1291.00	1.00	1.00	238.00	59.00	185.40	86.40		188.70	18.00		85.00
1292.00	1.00	1.00	249.00	58.00	175.00	70.50		179.00	12.00		74.00
1293.00	1.00	1.00	239.00	57.50	188.00	93.20		186.00	14.00		87.00
1294.00	1.00	1.00	245.00	60.50	188.00	88.60		185.00	14.00		84.00
1295.00	1.00	1.00	248.00	59.00	180.30	79.50		179.00	20.00		87.00
1296.00	1.00	1.00	242.00	55.50	187.00	75.00		188.00			80.00
1297.00	1.00	1.00	246.00	57.00	167.60	61.40		168.00	14.00		79.50
1298.00	1.00	1.00	246.00	56.50	167.60	70.00		174.00	9.00		83.00
1299.00	1.00	1.00	231.00	56.50	180.00	72.70		183.50	11.00		79.00
1300.00	1.00	1.00	247.00	59.00	172.70	65.90		167.50	11.00		76.00
1301.00	1.00	1.00	246.00	60.50	180.00	84.00		177.50	13.00		87.00
1302.00	1.00	1.00	234.00	58.00	195.60	102.30		203.00			
1303.00	1.00	1.00	239.00	57.50	175.30	72.70		179.00	11.00		76.00
1304.00	1.00	1.00	239.00	60.50	185.40	88.60		180.00	12.00		86.50
1305.00	1.00	1.00	235.00	58.00	185.40			180.00	12.00		
1306.00	1.00	1.00	240.00	57.00	182.40	70.00		188.00	10.00		84.00
1307.00	1.00	1.00	242.00	56.50	180.30	88.60		175.00	14.00		93.50
1308.00	1.00	1.00	219.00	58.50	193.00	93.20		192.00			86.00
1309.00	1.00	1.00	240.00	59.00	180.30	75.00		185.00	12.00		80.00
1310.00	1.00	1.00	248.00	62.00	188.00	81.80		197.00	12.00		89.00
1311.00	1.00	1.00	239.00	58.00	193.00	81.80		191.00	12.00		84.50
1312.00	1.00	1.00	240.00	59.00	182.90	87.70		178.00	12.00		
1313.00	2.00	1.00	183.00	57.00	165.10	65.90		157.50	14.00		72.00
1314.00	1.00	1.00	47.00	50.50	104.50	18.20		103.00	11.00		58.50
1315.00	1.00	1.00	7.00	44.00	63.50	6.80					
1316.00	2.00	1.00	16.00	49.00	59.00				13.00		45.50
1317.00	1.00	1.00	44.00	50.50	108.00	18.20		102.00			56.50
1318.00	2.00	1.00	32.00	47.00	97.00	13.20		93.00	10.00		49.00
1319.00	1.00	1.00	247.00	61.00	190.50	81.40		194.00	13.00		87.00
1320.00	1.00	1.00	233.00	57.00	184.20	73.20		190.00	13.00		82.00
1321.00	1.00	1.00	236.00	58.50	185.40	96.40		185.00	14.00		87.00
1322.00	1.00	1.00	24.00	51.00	87.00	13.80		90.00			50.00
1323.00	1.00	1.00	240.00	59.50	188.00	94.10		190.00	14.00		87.00
1324.00	1.00	1.00	242.00	57.50	180.30	72.70		184.00	12.00		83.00
1325.00	1.00	1.00	234.00	57.50	185.40	91.40		180.00	14.00		88.00
1326.00	1.00	1.00	229.00	58.00	182.90	79.50		182.00	14.00		84.00
1327.00	1.00	1.00	25.00	47.50	91.40	14.10		92.00			56.00
1328.00	1.00	1.00	19.00	44.50	83.80	12.30		82.00			48.00
1329.00	1.00	1.00	25.00	47.00	96.00	12.70		97.00	8.00		48.00
1330.00	2.00	1.00	31.00	46.50	94.00	12.30		94.00	9.00		47.00
1331.00	1.00	1.00	12.00	44.00	75.00	10.50		75.50	9.00		46.00
1332.00	2.00	1.00	32.00	47.50	70.00	10.10			12.00		50.00
1333.00	2.00	1.00	33.00	48.00	75.50	9.20			13.00		48.50
1334.00	1.00	1.00	29.00	46.50	76.00	9.40		75.00	10.00		
1335.00	1.00	1.00	32.00	46.00	75.00	9.20		76.00	11.00		47.00
1336.00	1.00	1.00	231.00	57.00	177.80	70.50		180.00	12.00		82.00
1337.00	1.00	1.00	232.00	58.00	180.30	68.70		178.00	8.00		83.00
1338.00	1.00	1.00	224.00	58.00	185.40	84.00		181.00	11.00		80.00
1339.00	1.00	1.00	219.00	57.50	182.90	81.80		169.00	20.00		
1340.00	1.00	1.00	225.00	57.50	182.90	85.00		182.00	12.00		83.00
1341.00	1.00	1.00	20.00	47.00	82.50	11.80		81.00	10.00		48.00
1342.00	1.00	1.00	22.00	48.00	84.00	12.30		84.00	9.00		46.00
1343.00	1.00	1.00	7.00	48.00	70.00	9.00		68.00	6.00		48.00
1344.00	1.00	1.00	33.00	50.00	90.00	12.70		90.50	8.00		45.00
1345.00	1.00	1.00	25.00	47.00	90.50	13.20		91.00	10.00		48.00
1346.00	1.00	1.00	24.00	51.00	81.60	13.00			8.00		49.00
1347.00	1.00	1.00	4.00	46.00	68.60	8.40		70.00	10.00		43.00
1348.00	1.00	1.00	60.00	50.00	103.50	15.00		103.00	8.00		48.00
1349.00	1.00	1.00	37.00	49.00	86.40	12.20		88.00	12.00		48.00
1350.00	1.00	1.00	231.00	56.50	165.00	71.80		188.00			79.00
1351.00	1.00	1.00	235.00	56.00	180.30	76.40		182.00	14.00		82.50
1352.00	1.00	1.00	225.00	55.50	182.90	70.50		186.00	20.00		85.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1353.00	1.00	1.00	244.00	55.50	177.80	79.50		181.50	12.00		93.00
1354.00	1.00	1.00	239.00	58.00	185.00	77.30		186.00	10.00		86.00
1355.00	2.00	1.00	243.00	56.00	155.00	54.50		160.00	25.00		78.00
1356.00	2.00	1.00	242.00	55.00	155.00	50.00		158.00	20.00		74.00
1357.00	1.00	1.00	244.00	58.00	180.00	84.10		200.00	10.00		82.00
1358.00	2.00	1.00	246.00	54.00	175.00	67.70		190.00	10.00		67.00
1359.00	1.00	1.00	237.00	56.50	185.00	83.60		196.00			83.00
1360.00	1.00	2.00	239.00	58.00	183.00	70.00		196.00			74.50
1361.00	1.00	1.00	225.00	58.50	180.30	82.70		178.00			86.50
1362.00	1.00	2.00	225.00	57.50	180.30	83.20		179.00			86.00
1363.00	1.00	1.00	224.00	58.50	182.90	72.70		186.00	10.00		83.00
1364.00	1.00	1.00	234.00	57.50	182.90	72.70		186.00			75.50
1365.00	1.00	1.00	239.00	58.50	177.80			168.00			
1366.00	1.00	1.00	238.00	58.00	185.00	80.90		199.00			87.00
1367.00	1.00	1.00	238.00	57.50	186.70	80.90		198.00			86.50
1368.00	1.00	1.00	239.00	59.00	185.40	85.90		198.00	12.00		87.00
1369.00	1.00	1.00	232.00	58.00	182.90	81.80		184.00			84.00
1370.00	1.00	1.00	232.00	57.00	182.90	80.90		184.00			84.00
1371.00	1.00	1.00	226.00	59.50	180.30	78.20		184.00	16.00		85.00
1372.00	1.00	1.00	242.00	56.00	180.00	77.00		189.00	10.00		81.00
1373.00	1.00	1.00	242.00	58.00	185.40	81.40		198.00	10.00		87.00
1374.00	1.00	1.00	233.00	57.00	185.40	81.80		200.00			86.00
1375.00	1.00	1.00	237.00	58.50	175.30	71.40		188.00			87.00
1376.00	1.00	1.00	243.00	55.00	162.60	59.10		174.00	10.00		76.00
1377.00	1.00	1.00	249.00	57.00	167.60	60.00		170.00	10.00		75.50
1378.00	1.00	1.00	240.00	57.00	185.40	81.80		192.00			87.00
1379.00	2.00	1.00	229.00	55.00	172.70	62.30		183.00	20.00		73.00
1380.00	2.00	1.00	237.00	57.50	157.50	68.20		171.00	24.00		81.00
1381.00	2.00	2.00	227.00	55.50	175.30	58.60		176.00	20.00		70.00
1382.00	2.00	1.00	235.00	55.00	154.90	47.30		172.00	18.00		72.00
1383.00	2.00	1.00	247.00	56.00	162.60	55.90		173.00	17.00		72.00
1384.00	2.00	1.00	230.00	57.00	165.10	59.10		173.00	18.00		76.00
1385.00	1.00	1.00	231.00	58.00	185.40	81.40		198.00	10.00		87.00
1386.00	2.00	1.00	238.00	55.00	175.30	63.60		175.00	15.00		79.00
1387.00	2.00	1.00	239.00	54.00	162.60	61.40		174.00	15.00		71.50
1388.00	2.00	1.00	241.00	55.00	162.60	62.30		175.00	18.00		73.00
1389.00	1.00	1.00	241.00	58.00	177.80	88.60		168.00	10.00		88.00
1390.00	2.00	1.00	231.00	56.00	167.60	61.40		176.00	20.00		82.00
1391.00	2.00	1.00	239.00	54.00	162.60	59.10		173.00	14.00		78.00
1392.00	2.00	1.00	233.00	58.50	170.20	58.60		178.00	22.00		69.00
1393.00	2.00	1.00	233.00	57.00	170.20	59.10		179.00	22.00		69.00
1394.00	2.00	1.00	235.00	56.00	180.00	59.00		181.00	13.00		66.00
1395.00	1.00	1.00	244.00	55.00	180.00	72.70		176.00			81.00
1396.00	1.00	1.00	245.00	58.00	180.00	86.00		182.00	10.00		
1397.00	1.00	1.00	217.00	53.50	178.00	67.70		180.00			81.00
1398.00	1.00	1.00	224.00	61.00	175.00	70.50		181.00			77.00
1399.00	1.00	1.00	221.00	56.00	175.00	75.00		188.00	14.00		83.00
1400.00	1.00	1.00	250.00	54.00	185.00	90.90		167.00	14.00		
1401.00	2.00	2.00	247.00	58.00	165.00	61.00		178.00	18.00		75.50
1402.00	1.00	1.00	242.00	57.00	195.50	93.00		196.00	8.00		86.00
1403.00	2.00	1.00	243.00	53.00	157.50	54.50		164.00	18.00		72.00
1404.00	2.00	1.00	224.00	54.50	170.00	53.00		174.00	18.00		67.00
1405.00	2.00	1.00	220.00	57.00	155.00	47.70		173.00	12.00		62.00
1406.00	2.00	1.00	225.00	57.00	172.70	63.20		182.00	18.00		74.00
1407.00	2.00	1.00	221.00	55.00	157.50	49.00		168.00	10.00		63.00
1408.00	2.00	1.00	221.00	54.00	157.50	48.20		170.00	18.00		63.00
1409.00	2.00	1.00	250.00	56.00	167.60	72.00		182.00	22.00		82.00
1410.00	1.00	1.00	250.00	59.00	188.00	95.50		182.00	12.00		90.00
1411.00	1.00	1.00	236.00	60.00	186.70	86.40		198.00			86.00
1412.00	2.00	1.00	244.00	56.00	170.00	59.00		164.00	13.00		67.00
1413.00	1.00	1.00	251.00	55.00	180.00	73.60		184.00			79.00
1414.00	2.00	1.00	229.00	53.00	170.00	44.50		178.00	14.00		64.00
1415.00	2.00	1.00	250.00	52.00	164.00	57.00		162.00	14.00		64.00
1416.00	2.00	1.00	223.00	52.00	157.50	52.00		160.00	10.00		70.00
1417.00	2.00	1.00	243.00	53.00	164.00	65.90		166.00	14.00		78.00
1418.00	2.00	1.00	247.00	58.00	175.00	61.00		180.00	14.00		70.00
1419.00	2.00	1.00	221.00	54.00	157.50	50.90		158.00	10.00		72.00
1420.00	2.00	1.00	230.00	53.00	166.00	55.00		172.00	8.00		71.00
1421.00	1.00										
1422.00	2.00	1.00	223.00	55.00	161.00	52.00		173.00	10.00		72.00
1423.00	2.00	1.00	243.00	58.00	178.00	66.40		183.00	20.00		75.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSR	BICEPSKR	WAIST
1424.00	2.00	1.00	245.00	54.00	165.00	70.40		167.00	24.00		88.00
1425.00	2.00	1.00	228.00	55.00	154.90	51.40		166.00	10.00		69.00
1426.00	2.00	1.00	221.00	55.00	160.00	52.30		166.00	16.00		72.00
1427.00	1.00	1.00	246.00	59.00	182.90	79.50		183.00			85.00
1428.00	2.00	2.00	240.00	56.00	160.00			172.00			
1429.00	1.00	1.00	237.00	57.50	187.90			186.00	12.00		87.00
1430.00	1.00	1.00	242.00	58.00	182.90	82.30		184.00			86.00
1431.00	1.00	1.00	244.00	58.00	182.90	80.40		184.00			86.00
1432.00	1.00	1.00	236.00	58.50	182.90	79.50		186.00			85.00
1433.00	2.00	1.00	222.00	56.50	165.10			173.00	26.00		
1434.00	1.00	1.00	222.00	58.50	185.40	82.30		183.00			84.00
1435.00	1.00	1.00	233.00	57.00	185.40	84.50		187.00	13.00		86.00
1436.00	1.00	1.00	223.00	56.00	185.40	85.50		184.00	14.00		88.00
1437.00	1.00	1.00	215.00	58.50	185.40	80.90		186.00			84.00
1438.00	1.00	1.00	245.00	59.00	182.90	80.40		184.00	10.00		86.00
1439.00	2.00	1.00	217.00	56.00	160.00	54.50		177.00	24.00		68.00
1440.00	1.00	1.00	230.00	57.50	182.90	80.90		185.00			85.00
1441.00	2.00	1.00	243.00	56.50	172.70	67.70		182.00	20.00		75.00
1442.00	1.00	1.00	219.00	58.50	180.30	80.00		187.00	12.00		82.00
1443.00	2.00	1.00	234.00	52.00	152.40	44.50		147.00	12.00		61.50
1444.00	1.00	1.00	226.00	57.00	180.30	82.70		180.00			86.00
1445.00	2.00	1.00	218.00	56.00	166.40	58.60		173.00	12.00		72.00
1446.00	2.00	1.00	234.00	54.50	156.20	50.90		152.00	8.00		67.00
1447.00	1.00	1.00	228.00	57.00	172.70	71.40		176.00			86.00
1448.00	2.00	1.00	247.00	53.00	161.30	54.50		164.00	10.00		74.50
1449.00	1.00	1.00	240.00	57.00	177.80	77.70		183.00			86.00
1450.00	1.00	1.00	246.00	59.00	187.90	85.90		190.00	12.00		86.00
1451.00	1.00	1.00	247.00	58.50	185.40	80.90		186.00			86.00
1452.00	1.00	1.00	241.00	59.00	185.40	81.80		186.00	10.00		86.00
1453.00	2.00	1.00	225.00	56.00	168.90	62.30		170.00	12.00		58.00
1454.00	1.00	1.00	233.00	56.00	182.90	77.30		184.00			85.00
1455.00	2.00	1.00	236.00	58.50	182.90	72.70		188.00	18.00		74.00
1456.00	2.00	1.00	227.00	56.00	162.60	50.00		174.00	18.00		68.00
1457.00	2.00	1.00	228.00	56.00	162.60	60.00		166.00	20.00		71.00
1458.00	2.00	1.00	221.00	53.00	157.50	50.50		164.00	16.00		70.50
1459.00	2.00	1.00	224.00	54.00	158.80	50.00		164.00	14.00		69.00
1460.00	2.00	1.00	219.00	54.00	167.60	63.60		172.00	15.00		71.00
1461.00	2.00	1.00	219.00	54.00	162.60	55.50		175.00	16.00		66.50
1462.00	2.00	1.00	242.00	57.00	175.30	68.20		180.00	18.00		74.00
1463.00	2.00	2.00	220.00	59.00	160.00	52.30		176.00	18.00		65.00
1464.00	1.00	1.00	248.00	58.00	152.00			180.00	10.00		78.00
1465.00	1.00	1.00	249.00	55.00	171.00	74.50		178.00	9.00		80.50
1466.00	1.00	1.00	243.00	56.50	174.00			181.00	16.00		
1467.00	1.00	1.00	241.00	58.00	180.00	78.00		184.00	12.00		81.00
1468.00	1.00	2.00	237.00	58.00	182.90	84.00		204.00	8.00		72.50
1469.00	1.00	1.00	228.00	56.50	179.00	85.90		182.00	10.00		86.50
1470.00	1.00	1.00	20.00	50.00	76.00	12.30		79.00			49.00
1471.00	2.00	1.00	18.00	48.00	79.00	11.00		78.00	9.00		50.00
1472.00	1.00	1.00	28.00	50.00	101.00	14.10		100.00	10.00		51.50
1473.00	1.00	1.00	35.00	51.00	90.00	14.50		88.00	11.00		53.00
1474.00	1.00	1.00	31.00	51.50	89.00	13.60		89.00	9.00		51.00
1475.00	1.00	1.00	30.00	48.00	87.00	13.60		88.00	10.00		51.00
1476.00	1.00	1.00	34.00	50.00	91.00	13.60		84.00	10.00		
1477.00	1.00	2.00	11.00	48.00		10.00		70.00	10.00		51.00
1478.00	1.00	1.00	46.00	52.00	96.50	15.80		88.50			48.00
1479.00	1.00	1.00	82.00	56.00	124.50	24.30		121.00	14.00		58.00
1480.00	2.00	1.00	238.00	53.50	152.40	50.00		184.00	22.00		72.00
1481.00	2.00	1.00	216.00	57.00	160.00	53.00			18.00		73.00
1482.00	2.00	1.00	236.00	56.00	166.40	55.00		187.00	18.00		79.00
1483.00	2.00	1.00	245.00	55.00	170.20	62.30		187.00	12.00		77.50
1484.00	2.00	1.00	231.00	56.50	172.70	61.40		185.00	12.00		78.00
1485.00	2.00	1.00	216.00	57.00	175.30	65.00		186.00	16.00		79.00
1486.00	2.00	1.00	246.00	54.00	154.90	50.50		165.00	22.00		76.00
1487.00	2.00	1.00	232.00	54.00	157.50	48.60		164.00	12.00		70.00
1488.00	2.00	1.00	246.00	56.00	172.70	64.50		169.00	18.00		79.00
1489.00	2.00	1.00	243.00	55.50	167.60	61.40		167.00	24.00		71.50
1490.00	2.00	1.00	224.00	56.00	161.50	56.30		161.00	17.00		72.00
1491.00	2.00	1.00	224.00	55.00	161.00	56.80		160.50	16.00		63.00
1492.00	2.00	1.00	233.00	55.50	160.00	55.40		161.00	18.00		73.00
1493.00	2.00	1.00	225.00	57.00	164.00	52.00		164.00	15.00		64.00
1494.00	2.00	1.00	240.00	56.00	174.00	67.20		174.00	18.00		74.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1495.00	2.00	1.00	243.00	56.00	174.00	65.00		174.00	18.00		72.50
1496.00	2.00	1.00	246.00	57.00	163.00	62.00		163.00	21.00		74.00
1497.00	2.00	1.00	230.00	54.50	166.00	61.00		166.50	19.00		67.00
1498.00	2.00	1.00	222.00	56.50	170.00	67.00		170.00	18.00		74.00
1499.00	2.00	1.00	246.00	55.50	172.00	68.00		167.00	15.00		72.00
1500.00	2.00	1.00	247.00	56.00	170.00	59.00		165.00	17.00		65.00
1501.00	2.00	1.00	230.00	55.00	171.50	61.40		165.00	12.00		68.00
1502.00	2.00	1.00	231.00	56.00	167.00	62.00		166.00	14.00		75.00
1503.00	2.00	1.00	245.00	56.50	178.00	79.50		176.00	20.00		71.00
1504.00	2.00	1.00	250.00	57.00	168.00	68.00		165.00	19.00		75.00
1505.00	2.00	1.00	252.00	57.00	176.50	72.00		175.00	19.00		74.00
1506.00	2.00	1.00	227.00	57.00	168.00	63.00		160.00	23.00		75.00
1507.00	2.00	1.00	237.00	56.00	171.00	62.00		168.00	18.00		72.50
1508.00	2.00	1.00	232.00	56.50	172.70	65.00		170.00	20.00		72.50
1509.00	2.00	1.00	231.00	56.00	171.00	63.00		170.00	18.00		75.00
1510.00	2.00	2.00	26.00	49.00	83.00	13.20		84.00	9.00		46.00
1511.00	2.00	1.00	220.00	57.00	162.00	58.00		161.00	17.00		64.00
1512.00	2.00	2.00	22.00	48.50	84.00	10.50		86.00	10.00		44.50
1513.00	2.00	2.00	25.00	48.00	83.00	14.30		84.00	13.00		52.00
1514.00	2.00	2.00	7.00	45.00	71.00	10.50		72.00	12.00		47.00
1515.00	1.00	2.00	16.00	45.00	80.00	9.50		74.00	12.00		52.00
1516.00	1.00	2.00	24.00	49.00	86.00	16.40		89.00			54.00
1517.00	2.00	2.00	26.00	48.50	79.00	11.40		85.00	8.00		43.00
1518.00	1.00	2.00	24.00	47.50	86.00	13.20		84.00			48.00
1519.00	2.00	2.00	8.00	47.50	64.50			62.00	15.00		51.00
1520.00	2.00	2.00	8.00	45.00	68.00	9.10		70.00	13.00		45.00
1521.00	2.00	2.00	24.00	45.00	88.00	10.20		85.00	13.00		44.00
1522.00	1.00	2.00	21.00	48.00	79.00	10.30		78.50	12.00		46.00
1523.00	1.00	2.00	26.00	48.00	92.00	15.00		98.00	11.00		55.00
1524.00	2.00	2.00	21.00	48.00	84.00	14.10		86.00	13.00		51.00
1525.00	1.00	2.00	32.00	48.00	90.00	14.10		90.00	12.00		46.00
1526.00	1.00	2.00	15.00	47.00	77.00	10.50		78.00	11.00		54.00
1527.00	2.00	2.00	33.00	48.00	88.00	14.50		92.00	12.00		
1528.00	2.00	1.00	247.00	54.00	162.50	52.00		160.00	10.00		72.00
1529.00	2.00	1.00	216.00	52.50	158.75	55.00		156.00	8.00		72.00
1530.00	2.00	1.00	230.00	55.00	168.90	61.36		167.00	12.00		76.00
1531.00	2.00	1.00	231.00	53.00	158.75	53.18		157.00	12.00		72.50
1532.00	2.00	1.00	248.00	55.50	170.00	62.70		163.00	14.00		74.00
1533.00	2.00	1.00	233.00	54.50	163.80			158.00	8.00		71.00
1534.00	2.00	1.00	219.00		175.26	64.10		168.00	10.00		76.00
1535.00	2.00	2.00	231.00	54.50	165.00	61.80		158.00	14.00		74.50
1536.00	2.00	1.00	250.00	52.00	167.60	56.40		159.00	10.00		70.00
1537.00	1.00	1.00	251.00		160.00	53.20		155.00			73.00
1538.00	1.00	2.00	35.00	50.80	88.90	13.75		91.00	10.00		48.00
1539.00	2.00	1.00	0.00	36.00	55.10	4.60		50.80	10.00		40.60
1540.00	2.00	1.00	1.00	32.50	57.00	5.30		56.50	10.00		
1541.00	2.00	1.00	48.00		100.00	17.10		99.00	10.00		50.80
1542.00	1.00	1.00	6.00	42.00	66.00	7.70		67.00	10.00		45.70
1543.00	1.00	1.00	1.00	36.60	53.30	4.90		53.30	10.00		
1544.00	2.00	2.00	21.00		76.00	9.60		75.60	10.00		47.00
1545.00	1.00	2.00	34.00	48.00	73.00	9.10			10.00		48.00
1546.00	1.00	2.00	52.00	50.50	85.00	13.60		87.00			53.00
1547.00	2.00	2.00	28.00	46.50	73.00	10.50		74.00	14.00		49.00
1548.00	1.00	2.00	36.00	50.00	96.00	13.60		95.00			53.00
1549.00	2.00	2.00	20.00	46.50	74.00	10.00		76.00	11.00		50.00
1550.00	2.00	2.00	4.00	42.00	60.50	5.90		62.00	10.00		41.50
1551.00	2.00	2.00	22.00	45.50	71.00	9.54		72.00	16.00		47.00
1552.00	2.00	2.00	8.00	45.00	67.00	9.10		70.00	10.00		49.00
1553.00	1.00	2.00	32.00	48.80	86.00	13.60		79.00	12.00		54.00
1554.00	2.00	2.00	63.00	53.50	116.80	27.00		118.00	14.00		65.00
1555.00	2.00	1.00	3.00	41.00		6.40		54.50	12.00		40.50
1556.00	2.00	1.00	127.00	52.60	139.00	34.50		140.00	11.00		46.00
1557.00	2.00	2.00	216.00	53.10	169.00	71.10		171.00			76.30
1558.00	1.00	1.00	26.00	52.00	89.00	12.00		89.50			51.50
1559.00	1.00	1.00	48.00	50.50	106.00	17.10		107.00	8.00		43.00
1560.00	2.00	1.00	26.00	52.50	93.50	16.50		93.00	13.00		52.00
1561.00	2.00	1.00	14.00	46.10	88.00	15.50		88.30	14.00		47.00
1562.00	1.00	1.00	8.00	43.20	70.20	9.10		71.00			49.00
1563.00	2.00	2.00	70.00	52.60	116.00	20.50		116.00	12.00		53.20
1564.00	1.00	1.00	108.00	51.00	132.00	28.10		131.00	8.00		44.40
1565.00	1.00	1.00	52.00	51.00	108.00	17.80		108.00	9.00		47.70

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1566.00	2.00	1.00	29.00	52.00	89.00	15.50		90.00	11.00		51.50
1567.00	2.00	2.00	81.00	52.00	119.00			118.00	9.00		
1568.00	1.00	1.00	149.00	55.10	157.00	42.00		162.00	8.00		53.10
1569.00	1.00	1.00	1.00	39.00	56.00	4.70		56.00	7.00		43.00
1570.00	1.00	1.00	206.00	52.90	179.00	66.90		181.00	25.00		70.10
1571.00	1.00	2.00	171.00	53.70	164.00	55.10		173.00	9.00		66.90
1572.00	1.00	1.00	12.00	50.00	79.80	11.80		79.00	10.00		43.90
1573.00	1.00	1.00	207.00	53.10	182.00	67.10		181.00	22.00		71.00
1574.00	1.00	1.00	9.00	45.10	71.50	8.90		71.50			49.50
1575.00	2.00	1.00	47.00	51.50	95.00			95.00	10.00		54.00
1576.00	2.00	1.00	146.00	54.00	150.00	42.00		151.00	8.00		52.00
1577.00	1.00	1.00	209.00	54.90	176.00	66.90		187.00	13.00		76.80
1578.00	1.00	1.00	31.00	51.50	93.10	16.00		89.50			53.50
1579.00	2.00	1.00	31.00	51.00	92.10	15.00		92.20	14.00		55.10
1580.00	1.00	1.00	12.00	47.00	81.50			81.50			53.00
1581.00	2.00	1.00	26.00	52.80	87.50	14.00		87.00	10.00		49.00
1582.00	1.00	1.00	19.00	51.10	78.10	11.10		78.40			45.50
1583.00	2.00	1.00	45.00	51.90	94.90	13.90		94.50	11.00		54.00
1584.00	1.00	1.00	30.00	52.00	91.70	13.90		91.00			52.00
1586.00	1.00	1.00	59.00	52.70	110.00	19.10		108.00			
1587.00	2.00	1.00	35.00	52.10	94.00	15.40		93.50	17.00		49.10
1588.00	1.00	1.00	195.00	54.70	174.00	63.10		175.00	9.00		
1589.00	1.00	1.00	120.00	52.90	136.00	30.50		136.00	10.00		51.00
1590.00	2.00	1.00	39.00	50.50	98.00	17.90		98.10	11.00		
1591.00	1.00	2.00	190.00	57.10	163.00	56.40		164.00			73.50
1592.00	2.00	1.00	106.00	51.90	113.00	17.10		109.00	11.00		47.00
1593.00	1.00	1.00	158.00	52.80	156.00	49.10		158.00	15.00		64.90
1594.00	1.00	1.00	64.00	51.10	110.00	19.00		112.00	9.00		41.00
1595.00	1.00	1.00	87.00	54.50	121.00	21.80		123.00			66.00
1596.00	1.00	1.00	22.00	48.00	81.50	11.80		83.00	11.00		45.50
1597.00	1.00	1.00	27.00	52.90	82.30	14.90		83.00			52.50
1598.00	2.00	1.00	9.00	44.20	66.00	7.70		64.00	16.00		49.00
1599.00	1.00	1.00	220.00	55.00	174.00	67.10		181.00	15.00		73.10
1600.00	2.00	1.00	194.00	54.70	174.00	52.00		174.00	8.00		
1601.00	1.00	1.00	6.00	44.10	66.00	7.80		66.20			52.00
1602.00	2.00	1.00	168.00	51.10	165.00	56.10		165.00	23.00		69.40
1603.00	2.00	1.00	140.00	53.80	150.00	41.60		153.00	7.00		51.90
1604.00	1.00	1.00	21.00	53.00	87.50	15.10		87.00			52.50
1605.00	1.00	1.00	13.00	46.60	79.10	10.90		78.70			48.00
1606.00	1.00	1.00	49.00	50.50	99.50	18.00		101.00	10.00		42.00
1607.00	1.00	1.00	198.00	53.20	174.00	67.80		175.00	20.00		76.20
1608.00	1.00	1.00	100.00	51.90	127.00	25.90		130.00	9.00		51.30
1609.00	1.00	1.00	132.00	51.90	143.00	37.50		151.00	8.00		65.30
1610.00	1.00	1.00	13.00	48.10	77.10			78.50			48.00
1611.00	2.00	1.00	21.00	51.50	89.00	14.50		88.70	13.00		52.00
1612.00	2.00	1.00	159.00	51.30	155.00	45.30		163.00	13.00		66.90
1613.00	1.00	1.00	40.00	51.00	95.10	14.60		95.00			54.00
1614.00	2.00	1.00	121.00	52.30	136.00	35.10		135.00	19.00		68.20
1615.00	1.00	2.00	131.00	53.90	136.00	31.80					52.00
1616.00	1.00	1.00	6.00	45.00	69.20	8.30		72.40	4.00		49.00
1617.00	1.00	1.00	156.00	57.00	144.00	33.20		144.00			54.50
1618.00	1.00	1.00	72.00	52.40	114.00	19.10		111.00	10.00		49.50
1619.00	1.00	1.00	146.00	53.00	137.00	29.10		140.00			55.50
1620.00	1.00	1.00	158.00	55.50	164.00	44.50		165.00	12.00		63.00
1621.00	2.00	1.00	7.00	44.80	69.90	8.10		68.00	7.00		47.20
1622.00	1.00	2.00	3.00	41.00	60.90	6.30		60.00	10.00		41.70
1623.00	1.00	1.00	65.00	52.00	118.00	26.40		119.00			
1624.00	1.00	1.00	24.00	50.40	91.40	14.10		87.60	10.00		51.00
1625.00	2.00	1.00	49.00	52.00	110.00	17.60		104.00	10.00		51.00
1626.00	2.00	1.00	166.00	56.00	164.00	55.50		162.00	15.00		71.10
1627.00	1.00	1.00	46.00	53.00	103.00	16.60		104.00	8.00		51.00
1628.00	1.00	1.00	61.00	52.00	109.00	18.60		109.00			53.50
1629.00	1.00	1.00	107.00	54.00	142.00	45.50		146.00			78.00
1630.00	2.00	1.00	142.00	54.00	141.00	34.50		140.00	10.00		59.00
1631.00	1.00	1.00	62.00	52.50	107.00	19.10		109.00	10.00		50.50
1632.00	1.00	1.00	217.00	57.00	179.00	58.60		182.00			68.00
1633.00	2.00	2.00	48.00	53.60	107.00	23.20			16.00		59.00
1634.00	2.00	1.00	147.00	52.50	150.00	41.40		149.00	10.00		64.00
1635.00	1.00	1.00	14.00	51.40		40.00					
1636.00	1.00	1.00	13.00	46.70	76.20	10.00		76.20	6.00		48.00
1637.00	1.00	1.00	166.00	53.60	163.00	45.50		163.00	12.00		64.00

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1638.00	2.00	1.00	10.00	46.00	72.40	9.30		75.00	8.00		52.00
1639.00	2.00	1.00	5.00	41.70	62.90	6.50		67.00	5.00		
1640.00	1.00	1.00	98.00	51.70	122.00	21.80		121.00	9.00		55.00
1641.00	2.00	1.00	88.00	51.10	127.00	25.00		128.00	8.00		54.60
1642.00	1.00	1.00	12.00	46.80	77.50	10.60		77.50	8.00		45.00
1643.00	2.00	1.00	3.00	41.00	61.00	5.90		53.30	6.00		
1644.00	2.00	2.00	29.00	49.80	93.90	15.50		93.90	12.00		55.00
1645.00	2.00	1.00	191.00	55.00	160.00	71.40		165.00	22.00		83.00
1646.00	2.00	1.00	191.00	56.00	164.00	55.00		161.00	20.00		66.00
1647.00	2.00	1.00	4.00	43.00	65.50	7.70		68.50	9.00		51.00
1648.00	1.00	1.00	87.00	51.50	122.00	23.50					
1649.00	1.00	1.00	41.00	51.90	99.50	18.10		99.50			
1650.00	2.00	1.00	157.00	51.90	158.00	50.90		156.00	17.00		66.10
1651.00	2.00	1.00	12.00	46.00	74.00	8.40		74.00	10.00		52.00
1652.00	1.00	1.00	69.00	51.50	108.00	18.00		109.00			45.00
1653.00	1.00	2.00	215.00	55.00	176.00	69.00		182.00	11.00		66.00
1654.00	1.00	1.00	97.00	50.10	126.00	25.00		127.00	8.00		50.00
1655.00	1.00	1.00	13.00	46.50	77.50	10.50		77.50	8.00		45.00
1656.00	1.00	1.00	76.00	52.40	118.00	21.90		120.00	10.00		54.00
1657.00	1.00	2.00	132.00	53.70	143.00	35.60		143.00	9.00		
1658.00	2.00	1.00	146.00	53.00	147.00	40.10		148.00	9.00		68.40
1659.00	1.00	1.00	19.00	51.80	88.50	17.50		88.00			53.00
1660.00	2.00	1.00	19.00	49.90	91.00	12.90		90.50	10.00		48.00
1661.00	1.00	1.00	23.00	51.90	82.50	14.10		82.50			53.00
1662.00	2.00	1.00	3.00	41.00	61.00	6.00		53.50	6.00		
1663.00	2.00	2.00	159.00	54.10	159.00	48.50		160.00	9.00		
1664.00	2.00	1.00	204.00	55.00	168.00	59.50		170.00	16.00		65.50
1665.00	1.00	1.00	84.00	52.50	122.00	23.50		123.00			50.50
1666.00	1.00	1.00	84.00	52.50	120.00	25.90		122.00			56.20
1667.00	1.00	1.00	143.00	52.60	146.00			149.00	22.00		69.50
1668.00	2.00	1.00	15.00	47.90	76.50	10.90		76.50	14.00		49.50
1669.00	1.00	1.00	30.00	51.50	91.80	14.00		91.00	11.00		48.80
1670.00	1.00	1.00	11.00	48.20	77.00	12.10		77.00			53.50
1671.00	2.00	1.00	32.00	51.50	92.10	16.90		92.50	16.00		49.00
1672.00	2.00	1.00	3.00	41.50	62.50	5.80		62.00	8.00		43.50
1673.00	1.00	2.00	156.00	52.90	157.00	50.70		158.00	9.00		68.10
1674.00	1.00	1.00	63.00	52.10	95.70	15.10		95.50			53.00
1675.00	1.00	2.00	217.00	55.10	177.00	69.00		186.00			66.10
1676.00	1.00	1.00	72.00	51.50	116.00	20.90		116.00	10.00		
1677.00	1.00	1.00	24.00	52.10	81.70	12.50		81.40			54.00
1678.00	2.00	1.00	142.00	54.00	141.00	34.00		140.00	10.00		59.00
1679.00	2.00	1.00	11.00	47.00	76.00	10.20		78.00	14.00		53.50
1680.00	2.00	2.00	181.00	55.00	163.00	51.30		164.00	10.00		67.50
1681.00	2.00	1.00	68.00	53.50	112.00	19.20		113.00	9.00		45.50
1682.00	1.00	1.00	199.00	54.10	170.00	62.00		173.00			69.10
1683.00	2.00	1.00	216.00	52.50	163.00	70.00		163.00	26.00		79.50
1684.00	2.00	1.00	191.00	56.00	157.00	64.10		155.00	23.00		74.00
1685.00	1.00	1.00	56.00	49.80	97.40			98.10			
1686.00	2.00	1.00	35.00	51.50	94.80	13.00		94.00	15.00		48.00
1687.00	2.00	1.00	13.00	46.50	79.00	10.20		82.50	13.00		48.00
1688.00	1.00	2.00	131.00	53.90	136.00	31.80					52.00
1689.00	1.00	1.00	6.00	45.00	69.20	6.30		72.40	9.00		49.00
1690.00	1.00	1.00	156.00	57.00	144.00	33.20		144.00			54.50
1691.00	1.00	1.00	72.00	52.40	114.00	19.10		111.00	10.00		49.50
1692.00	1.00	1.00	148.00	53.00	137.00	29.10		140.00			55.50
1693.00	1.00	1.00	158.00	55.50	164.00	44.50		165.00	12.00		63.00
1694.00	2.00	1.00	60.00	53.00	109.00	19.10		101.00	8.00		52.00
1695.00	2.00	1.00	7.00	44.80	69.90	8.30		68.00	7.00		47.20
1696.00	1.00	2.00	3.00	41.00	50.90				10.00		41.70
1697.00	1.00	1.00	65.00	52.00	118.00	26.40		119.00	13.00		
1698.00	1.00	1.00	24.00	50.40	91.40	14.10		87.60	10.00		51.00
1699.00	2.00	1.00	49.00	52.00	110.00	17.60		104.00	10.00		51.00
1700.00	2.00	1.00	166.00	56.00	164.00	55.50		162.00	15.00		71.10
1701.00	1.00	1.00	46.00	53.00	103.00	16.60		104.00	8.00		51.00
1702.00	1.00	1.00	61.00	52.00	109.00	18.60		109.00			53.50
1703.00	1.00	1.00	107.00	54.00	142.00	45.50		146.00	18.00		78.00
1704.00	2.00	1.00	142.00	54.00	141.00	34.50		140.00	10.00		59.00
1705.00	1.00	1.00	62.00	52.50	107.00	19.10		109.00	10.00		50.50
1706.00	1.00	1.00	217.00	57.00	179.00	58.60		182.00			68.00
1707.00	2.00	2.00	48.00	53.60	107.00	23.20			16.00		69.00
1708.00	2.00	1.00	13.00	47.80	80.10	11.70		81.00	9.00		49.50

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1709.00	1.00	1.00	9.00	45.10	71.70	9.10		71.50			50.00
1710.00	1.00	1.00	108.00	51.00	132.00	28.30		133.00	9.00		45.50
1711.00	1.00	3.00	209.00		165.10	61.40		167.60	3.00		66.70
1712.00	1.00	1.00	186.00		175.30	69.10		177.80	9.00		81.30
1713.00	1.00	1.00	197.00		172.70	65.90		174.00	8.00		73.70
1714.00	1.00	1.00	192.00		175.30	79.60		175.30	11.00		90.20
1715.00	1.00	1.00	218.00		180.30	79.60		177.80	12.00		85.70
1716.00	1.00	1.00	204.00		170.20	64.50		177.80	8.00		77.50
1717.00	1.00	1.00	210.00		172.70	65.50		170.20	3.00		76.20
1718.00	2.00	2.00	173.00		172.70	65.00		181.60	10.00		74.90
1719.00	2.00	2.00	186.00		162.60	53.60		165.10	10.00		66.00
1720.00	2.00	1.00	209.00		158.80	56.80		160.00	10.00		73.00
1721.00	2.00	1.00	194.00		175.30	54.50		177.80	10.00		67.30
1722.00	2.00	1.00	187.00		154.90	65.90		155.00	23.00		88.90
1723.00	2.00	1.00	205.00		167.60	52.30		167.60	11.00		72.40
1724.00	2.00	1.00	203.00		172.70	53.60		177.80	12.00		28.00
1725.00	2.00	1.00	208.00		166.40	61.80		162.60	15.00		80.70
1726.00	2.00	1.00	205.00		174.60	60.50		175.30	16.00		76.80
1727.00	2.00	1.00	198.00		174.00	51.80		176.50	16.00		66.70
1728.00	2.00	1.00	196.00		157.50	74.10		167.60	28.00		87.00
1729.00	1.00	1.00	205.00		179.10	86.40		180.30	16.00		95.30
1730.00	1.00	2.00	179.00		170.20	83.20		183.50	18.00		98.40
1731.00	1.00	2.00	182.00		144.80	45.50		142.20	14.00		74.30
1732.00	1.00	1.00	183.00		175.30	62.30		178.40	4.00		73.00
1733.00	1.00	2.00	183.00		176.50	79.60		182.90	18.00		89.50
1734.00	1.00	1.00	179.00		165.10	40.50		157.50	7.00		58.40
1735.00	2.00	1.00	175.00		167.60	79.10		170.20	30.00		98.40
1736.00	2.00	1.00	201.00		172.70	59.50		174.00	14.00		71.10
1737.00	2.00	1.00	207.00		161.90	61.40		160.00	18.00		83.80
1738.00	2.00	1.00	196.00		160.00	48.60		161.30	20.00		78.10
1739.00	1.00	2.00	184.00		162.60	52.30		165.10	10.00		73.70
1740.00	2.00	1.00	176.00		168.90	70.00		167.00	18.00		86.40
1741.00	2.00	1.00	192.00		171.50	57.70		172.00	13.00		69.90
1742.00	2.00	1.00	182.00		160.70	49.00		160.70	8.00		68.60
1743.00	1.00	2.00	176.00		182.90	67.30		188.00	8.00		71.10
1744.00	1.00	1.00	212.00		157.50	79.60		157.50	13.00		85.70
1745.00	1.00	1.00	227.00		177.80	77.30		177.80	8.00		82.60
1746.00	1.00	2.00	179.00		162.60	58.20		166.40	6.00		71.80
1747.00	1.00	2.00	193.00		185.40	90.50		186.70	9.00		82.60
1748.00	1.00	1.00	193.00		177.80	65.90		185.40	6.00		79.40
1749.00	1.00	1.00	206.00		180.30	72.70		180.30	10.00		85.10
1750.00	1.00	1.00	189.00		157.50	79.10		165.10	18.00		111.80
1751.00	1.00	1.00	193.00		180.30	98.60		180.30	10.00		101.60
1752.00	1.00	1.00	201.00		175.30	70.00		182.90	8.00		81.30
1753.00	1.00	2.00	190.00		180.30	90.90		182.90	10.00		96.50
1754.00	1.00	2.00	197.00		167.60	68.20		168.90	8.00		74.30
1755.00	1.00	3.00	210.00		178.40	84.50		184.80	12.00		91.40
1756.00	1.00	1.00	186.00		170.80	56.80		199.40	8.00		73.70
1757.00	1.00	1.00	177.00		184.20	88.20		184.20	19.00		93.30
1758.00	1.00	1.00	178.00		165.10	46.80		157.50	16.00		67.30
1759.00	2.00	1.00	181.00		158.80	50.00		158.80	18.00		73.70
1760.00	2.00	1.00	183.00		157.50	44.10		154.90	12.00		61.00
1761.00	2.00	1.00	204.00		168.90	57.30		167.60	14.00		76.80
1762.00	2.00	1.00	179.00		161.30	70.50		163.80	24.00		87.60
1763.00	2.00	1.00	173.00		152.40	44.50		162.60	16.00		68.60
1764.00	1.00	1.00	179.00		179.70	60.50		180.30	8.00		72.40
1765.00	1.00	1.00	176.00		172.70	71.80		175.30	14.00		88.90
1766.00	2.00	1.00	184.00		163.80	48.60		160.70	13.00		71.00
1767.00	1.00	1.00	203.00		193.00	131.80		205.70	26.00		121.90
1768.00	1.00	1.00	199.00		167.60	69.10		168.90	28.00		88.30
1769.00	1.00	1.00	197.00		176.50	70.00		180.30	4.00		80.00
1770.00	1.00	1.00	200.00		180.30	106.80		179.10	28.00		109.90
1771.00	1.00	1.00	205.00		177.80	63.60		182.90	7.00		80.60
1772.00	2.00	1.00	179.00		172.80	67.30		172.30	22.00		82.60
1773.00	2.00	2.00	184.00		148.60	41.80		149.90	14.00		64.80
1774.00	1.00	2.00	198.00		168.90	60.50		170.10	4.00		72.40
1775.00	2.00	1.00	190.00		162.60	57.70		165.10	20.00		83.80
1776.00	2.00	1.00	197.00		165.10	55.90		165.10	10.00		74.30
1777.00	1.00	1.00	213.00		185.40	63.20		185.40	8.00		81.30
1778.00	2.00	1.00	197.00		162.60	46.80		165.10	20.00		62.20
1779.00	1.00	2.00	194.00		186.70	78.60		188.00	6.00		80.60

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1780.00	1.00	2.00	201.00		180.30	129.00		183.00	12.00		116.80
1781.00	2.00	1.00	190.00		167.60	53.60		168.90	12.00		70.50
1782.00	2.00	1.00	185.00		174.00			177.80	28.00		
1783.00	2.00	1.00	186.00		168.90	71.40		170.20	20.00		85.10
1784.00	2.00	1.00	194.00		168.90	55.50		170.20	16.00		79.70
1785.00	1.00	1.00	202.00		180.30	70.00		182.90	6.00		80.00
1786.00	2.00	2.00	196.00		157.50	56.80		157.50	20.00		76.80
1787.00	1.00	2.00	184.00		176.50	70.90		179.10	16.00		81.90
1788.00	1.00	2.00	184.00		172.70	60.90		175.30	10.00		76.20
1789.00	2.00	1.00	189.00		165.10	53.60		165.10	22.00		78.70
1790.00	2.00	1.00	180.00		170.20	42.30		171.50	14.00		69.20
1791.00	1.00	1.00	186.00		188.00	70.90		188.00	7.00		80.00
1792.00	1.00	1.00	191.00		176.50	67.30		177.80	6.00		81.30
1793.00	1.00	1.00	196.00		182.90	95.90		182.90	16.00		100.30
1794.00	1.00	1.00	199.00		168.90	60.50		170.10	5.00		74.90
1795.00	1.00	2.00	123.00		138.40	33.00		139.70	6.00		57.20
1796.00	2.00	2.00	42.00		100.30	17.30			10.00		54.60
1797.00	1.00	2.00	44.00		106.70	17.40			7.00		52.30
1798.00	2.00	1.00	24.00		89.50	14.10					52.10
1799.00	1.00	2.00	125.00		137.60	33.20		139.70	8.00		58.40
1800.00	2.00	1.00	204.00		160.00	52.30		162.60	18.00		66.00
1801.00	1.00	2.00	24.00		86.40	11.80			8.00		51.40
1802.00	1.00	1.00	216.00		175.90	70.70		177.80	6.00		79.40
1803.00	2.00	1.00	95.00		118.10	21.40		116.80	11.00		53.30
1804.00	2.00	1.00	141.00		156.20	38.10		213.40	13.00		58.40
1805.00	2.00	1.00	140.00		156.20	37.70		210.80	12.00		55.90
1806.00	2.00	1.00	36.00		92.70	13.00			10.00		50.20
1807.00	2.00	1.00	30.00		93.30	15.10			12.00		53.30
1808.00	2.00	1.00	30.00		94.60	17.00			14.00		52.70
1809.00	2.00	1.00	35.00		94.00	13.40			10.00		53.30
1810.00	2.00	2.00	167.00		165.10	74.50		169.50	20.00		78.70
1811.00	2.00	4.00	150.00		168.30	46.80		170.20	9.00		67.30
1812.00	2.00	1.00	161.00		160.00	35.60		160.00	25.00		85.70
1813.00	1.00	2.00	156.00		162.60	50.90		163.80	5.00		66.70
1814.00	2.00	2.00	150.00		160.00	44.10		168.90	10.00		64.80
1815.00	2.00	2.00	172.00		146.10	60.90		150.50	18.00		81.30
1816.00	1.00	2.00	148.00		156.20	68.20		160.00	20.00		87.60
1817.00	1.00	2.00	156.00		152.40	37.30		150.50	5.00		60.30
1818.00	1.00	2.00	156.00		153.00	33.20		152.40	6.00		57.20
1819.00	1.00	2.00	163.00		144.80	66.40		146.10	17.00		90.20
1820.00	2.00	3.00	154.00		158.80	53.60		161.30	15.00		76.80
1821.00	1.00	2.00	161.00		159.40	53.60		165.10	9.00		68.60
1822.00	1.00	2.00	173.00		172.10	55.50		175.30	9.00		67.30
1823.00	1.00	2.00	160.00		158.80	48.60		163.20	5.00		71.10
1824.00	1.00	1.00	153.00		151.10	30.90		151.80	5.00		59.70
1825.00	2.00	2.00	160.00		157.50	61.40		161.30	22.00		80.00
1826.00	2.00	2.00	150.00		168.90	91.40		175.30	21.00		109.20
1827.00	2.00	2.00	158.00		168.90	58.20		169.50	17.00		34.90
1828.00	2.00	2.00	151.00		158.80	60.00		158.80	21.00		83.20
1829.00	1.00	2.00	169.00		156.20	89.10		161.30	32.00		104.10
1830.00	1.00	2.00	165.00		172.70	51.40		177.80	5.00		66.00
1831.00	2.00	1.00	174.00		161.30	49.50		157.50	10.00		68.60
1832.00	2.00	1.00	167.00		162.60	89.50		172.10	26.00		104.10
1833.00	2.00	1.00	155.00		160.00	63.60		154.90	19.00		79.40
1834.00	2.00	3.00	173.00		146.10	36.40		148.60	7.00		54.00
1835.00	2.00	1.00	159.00		167.60	58.20		167.60	11.00		73.00
1836.00	2.00	2.00	148.00		153.70	70.50		157.50	27.00		86.40
1837.00	2.00	1.00	148.00		147.30	30.00		146.10	10.00		54.00
1838.00	2.00	2.00	149.00		162.60	54.50		172.70	14.00		68.60
1839.00	1.00	2.00	165.00		177.20	55.50		174.00	6.00		65.40
1840.00	1.00	2.00	178.00		160.00	62.30		165.10	23.00		90.20
1841.00	2.00	2.00	144.00		156.20	53.20		163.80	21.00		73.00
1842.00	2.00	2.00	149.00		162.60	53.20		171.50	13.00		74.90
1843.00	2.00	2.00	152.00		162.60	73.20		174.00	21.00		95.30
1844.00	2.00	2.00	157.00		157.50	60.00		167.60	12.00		77.50
1845.00	1.00	1.00	154.00		166.40	54.50		165.70	9.00		70.50
1846.00	1.00	1.00	159.00		147.30	36.40		146.10	6.00		61.00
1847.00	2.00	3.00	171.00		152.40	34.90		152.40	15.00		67.90
1848.00	2.00	3.00	158.00		154.90	51.80		152.40	19.00		72.40
1849.00	2.00	1.00	159.00		162.60	55.50		163.80	16.00		76.80
1850.00	1.00	2.00	149.00		160.00	61.40		173.40	19.00		76.80

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1851.00	2.00	2.00	161.00		161.90	54.50		167.60	17.00		64.10
1852.00	2.00	2.00	161.00		154.90	57.30		159.40	19.00		71.10
1853.00	1.00	2.00	154.00		177.20	53.60		173.10	22.00		77.50
1854.00	2.00	1.00	164.00		161.90	64.50		151.80	18.00		87.60
1855.00	1.00	1.00	154.00		142.20	32.30		134.60	3.00		65.40
1856.00	1.00	1.00	154.00		151.80	41.80		149.90	18.00		66.70
1857.00	2.00	2.00	157.00		167.60	81.80		177.80	33.00		97.80
1858.00	2.00	2.00	169.00		168.90	81.40		170.20	26.00		86.40
1859.00	2.00	1.00	167.00		153.00	39.50		149.90	15.00		62.20
1860.00	2.00	1.00	169.00		161.30	61.40		158.80	18.00		80.10
1861.00	2.00	1.00	158.00		160.70	41.80		158.80	12.00		62.20
1862.00	2.00	1.00	163.00		157.50	52.70		162.60	16.00		68.60
1863.00	1.00	2.00	160.00		179.10	65.90		187.30	8.00		67.90
1864.00	2.00	2.00	147.00		160.00	46.80		161.90	9.00		62.30
1865.00	2.00	1.00	160.00		160.00	53.60		158.80	12.00		68.60
1866.00	1.00	1.00	159.00		155.00	54.50		152.40	12.00		83.80
1867.00	1.00	2.00	182.00		167.60	55.50		170.80	8.00		70.50
1868.00	1.00	2.00	149.00		152.40	58.20		157.50	20.00		77.50
1869.00	1.00	2.00	166.00		175.30	97.30		180.30	19.00		104.10
1870.00	1.00	2.00	165.00		165.10	53.60		162.60	5.00		67.30
1871.00	2.00	1.00	194.00		170.20	75.00		162.60	19.00		88.30
1872.00	2.00	1.00	199.00		161.90	57.70		156.80	17.00		78.70
1873.00	2.00	1.00	199.00		165.10	50.00		158.10	21.00		65.40
1874.00	2.00	2.00	205.00		157.50	48.60		168.90	11.00		64.10
1875.00	1.00	2.00	188.00		172.70	63.60		170.20	6.00		72.40
1876.00	1.00	1.00	192.00		171.50	59.10		168.90	7.00		66.70
1877.00	1.00	1.00	204.00		181.60	63.60		183.50	5.00		71.10
1878.00	1.00	1.00	204.00		173.40	69.50		177.20	6.00		81.90
1879.00	1.00	1.00	209.00		198.20	97.30		203.80	9.00		94.60
1880.00	2.00	1.00	204.00		158.10	58.60		156.20	13.00		74.30
1881.00	2.00	1.00	207.00		135.30	48.60		161.30	16.00		66.00
1882.00	2.00	2.00	199.00		159.40	60.00		160.00	17.00		80.00
1883.00	1.00	1.00	203.00		168.90	77.30		172.70	24.00		97.20
1884.00	1.00	1.00	185.00		177.80	69.50		176.00	5.00		76.80
1885.00	1.00	1.00	199.00		175.30	68.80		185.40	7.00		74.90
1886.00	1.00	1.00	209.00		168.90	76.80		163.80	16.00		91.44
1887.00	2.00	1.00	193.00		160.70	50.00		158.80	11.00		67.30
1888.00	1.00	1.00	209.00		184.20	100.00		188.00	15.00		104.10
1889.00	1.00	2.00	197.00		186.70	80.00		195.60	15.00		91.40
1890.00	1.00	1.00	217.00		177.80	78.60		193.00	7.00		80.00
1891.00	1.00	1.00	212.00		169.50	74.50		175.30	10.00		83.20
1892.00	1.00	1.00	199.00		182.20	57.30		181.60	10.00		72.40
1893.00	1.00	1.00	204.00		170.20	99.50		170.20	20.00		104.10
1894.00	2.00	1.00	195.00		174.60	100.50		175.90	24.00		106.00
1895.00	2.00	1.00	199.00		135.30	59.10		161.30	23.00		80.60
1896.00	2.00	1.00	199.00		165.70	54.50		165.10	18.00		72.40
1897.00	2.00	1.00	199.00		168.90	57.30		167.00	14.00		66.70
1898.00	2.00	1.00	204.00		174.00	59.10		170.80	20.00		69.90
1899.00	1.00	1.00	219.00		190.50	118.20		194.30	15.00		106.00
1900.00	1.00	1.00	214.00			101.80		178.40	18.00		103.50
1901.00	2.00	1.00	159.00		165.10	59.10		162.60	23.00		81.30
1902.00	2.00	2.00	164.00		162.60	73.60		172.70	23.00		88.90
1903.00	2.00	2.00	153.00		163.80	56.80		170.20	51.00		73.70
1904.00	2.00	2.00	159.00		148.60	38.60		151.10	9.00		63.50
1905.00	2.00	2.00	163.00		160.00	91.40		170.20	28.00		121.90
1906.00	1.00	2.00	165.00		156.20	47.30		158.80	20.00		76.20
1907.00	1.00	1.00	174.00		160.00	49.10		152.40	9.00		69.90
1908.00	2.00	2.00	160.00		162.60	72.30		167.60	25.00		86.40
1909.00	2.00	1.00	173.00		160.00	68.20		160.00	25.00		87.60
1910.00	2.00	1.00	157.00		154.90	81.80		152.40	37.00		106.70
1911.00	2.00	2.00	173.00		161.30	45.50		160.00	11.00		67.30
1912.00	1.00	2.00	167.00		162.60	65.50		162.60	7.00		75.60
1913.00	2.00	2.00	157.00		161.30	47.70		167.60	12.00		64.10
1914.00	1.00	2.00	171.00		166.40	50.00		170.20	3.00		64.10
1915.00	1.00	2.00	161.00		171.50	81.80		180.30	24.00		95.30
1916.00	1.00	2.00	164.00		142.20	63.60		181.60	12.00		78.70
1917.00	1.00	2.00	157.00		135.90	56.40		170.20	8.00		73.70
1918.00	2.00	1.00	148.00		158.80	54.10		157.50	13.00		76.20
1919.00	1.00	2.00	171.00		165.10	76.40		171.50	23.00		96.50
1920.00	2.00	1.00	147.00		152.40	40.50		148.60	10.00		67.30
1921.00	2.00	1.00	156.00		165.10	56.80		160.00	20.00		81.30

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1922.00	2.00	1.00	163.00		162.60	49.50		160.00	11.00		77.50
1923.00	1.00	1.00	155.00		144.80	42.70		149.90	14.00		77.50
1924.00	1.00	1.00	160.00		166.40	63.60		157.50	16.00		86.40
1925.00	1.00	2.00	168.00		175.30	69.10		181.60	8.00		69.90
1926.00	2.00	2.00	149.00		149.90	49.10		153.70	17.00		69.90
1927.00	2.00	2.00	154.00		158.80	53.60		161.30	20.00		74.90
1928.00	1.00	2.00	163.00		152.40	46.40		157.50	12.00		68.60
1929.00	1.00	1.00	170.00		170.20	55.00		168.90	22.00		73.70
1930.00	2.00	1.00	202.00		144.80	53.60		161.30	13.00		66.00
1931.00	2.00	1.00	203.00		171.50	41.80		171.50	18.00		59.70
1932.00	1.00	1.00	175.00		177.80	56.80		176.50	9.00		71.10
1933.00	1.00	2.00	205.00		185.40	37.50		189.20	5.00		78.70
1934.00	1.00	1.00	202.00		185.40	74.10		186.70	14.00		81.90
1935.00	2.00	2.00	198.00		170.20	48.60		175.30	10.00		64.10
1936.00	1.00	2.00	162.00		163.80	54.50		172.70	6.00		71.10
1937.00	1.00	2.00	152.00		158.80	45.50		170.20	4.00		87.60
1938.00	2.00	1.00	159.00		163.80	40.90		162.60	12.00		63.50
1939.00	2.00	2.00	159.00		151.80	47.70		167.60	10.00		67.30
1940.00	2.00	1.00	156.00		163.60	45.50		172.70	12.00		63.50
1941.00	2.00	1.00	165.00		163.60	62.30		162.60	12.00		90.20
1942.00	2.00	1.00	161.00		157.50	50.00		154.90	12.00		72.40
1943.00	2.00	2.00	152.00		151.10	42.30		160.00	11.00		68.60
1944.00	1.00	2.00	167.00		157.50	58.60		165.10	11.00		78.70
1945.00	2.00	2.00	160.00		162.60	56.80		167.60	17.00		77.50
1946.00	1.00	1.00	155.00		161.30	66.80		161.30	15.00		97.80
1947.00	1.00	1.00	157.00		139.70	31.80		130.80	8.00		58.40
1948.00	1.00	2.00	159.00		151.10	38.60		154.90	14.00		67.30
1949.00	1.00	2.00	146.00		163.80	50.00		172.70	6.00		69.90
1950.00	2.00	1.00	154.00		157.50	45.50		154.90	8.00		64.80
1951.00	2.00	2.00	162.00		158.80	59.50		157.50	14.00		75.60
1952.00	2.00	2.00	168.00		154.90	42.70		160.00	10.00		59.70
1953.00	2.00	2.00	176.00		165.10	81.80		172.70	15.00		123.20
1954.00	2.00	2.00	169.00		162.60	59.10		172.70	17.00		78.70
1955.00	2.00	1.00	164.00		156.20	49.50		154.90	13.00		69.90
1956.00	1.00	2.00	168.00		156.20	41.80		162.60	4.00		59.70
1957.00	1.00	2.00	174.00		175.30	66.80		180.30	9.00		78.70
1958.00	1.00	1.00	164.00		154.90	55.50		158.80	15.00		87.60
1959.00	1.00	2.00	185.00		179.10	36.80		188.00	5.00		77.50
1960.00	1.00	2.00	170.00		162.60	47.70		160.00	9.00		63.50
1961.00	1.00	1.00	167.00		177.80	61.40		182.90	8.00		71.10
1962.00	1.00	1.00	181.00		172.70	54.10		176.50	8.00		71.10
1963.00	1.00	2.00	170.00		163.80	44.10		160.00	12.00		66.00
1964.00	1.00	2.00	153.00		170.20	59.10		177.80	12.00		72.40
1965.00	1.00	2.00	168.00		163.80	65.90		166.40	6.00		76.20
1966.00	1.00	1.00	166.00		149.90	40.90		157.50	16.00		71.80
1967.00	2.00	1.00	147.00		165.10	66.80		168.90	17.00		87.60
1968.00	2.00	2.00	174.00		167.60	60.90		172.70	13.00		77.50
1969.00	2.00	2.00	167.00		170.20	63.20		172.70	11.00		82.60
1970.00	1.00	2.00	147.00		154.90	40.50		149.90	6.00		61.00
1971.00	2.00	2.00	165.00		161.30	54.50		165.10	11.00		71.10
1972.00	2.00	2.00	159.00		162.60	60.90		165.10	20.00		76.20
1973.00	2.00	1.00	149.00		154.90	58.60		147.30	22.00		83.80
1974.00	1.00	1.00	153.00		149.90	48.60		142.20	15.00		77.50
1975.00	1.00	2.00	173.00		182.90	53.60		188.00	3.00		66.00
1976.00	1.00	2.00	181.00		168.90	56.80		165.10	6.00		69.90
1977.00	2.00	2.00	159.00		161.30	63.60		165.10	16.00		73.70
1978.00	2.00	2.00	155.00		157.50	52.30		162.60	13.00		71.10
1979.00	1.00	2.00	151.00		154.90	40.90		157.50	8.00		64.80
1980.00	1.00	1.00	177.00		170.20	49.50		166.40	7.00		66.00
1981.00	1.00	1.00	153.00		154.90	44.10		153.70	11.00		71.10
1982.00	1.00	1.00	147.00		154.90	40.90		149.90	12.00		67.90
1983.00	2.00	2.00	159.00		153.70	43.20		160.00	10.00		67.30
1984.00	1.00	2.00	146.00		162.60	44.50		152.40	8.00		62.20
1985.00	2.00	1.00	123.00		161.30	50.00			8.50		73.00
1986.00	2.00	1.00	118.00		160.00	65.90			14.50		80.60
1987.00	1.00	2.00	49.00		101.00	17.30		104.10	7.00		48.30
1988.00	2.00	1.00	96.00		128.30	25.50		124.50	11.00		55.90
1989.00	1.00	2.00	35.00		149.90	50.50		160.00	12.00		80.00
1990.00	2.00	2.00	42.00		99.10	14.80			8.00		52.00
1991.00	1.00	1.00	222.00		163.80	65.50			9.00		80.00
1992.00	2.00	1.00	36.00		102.90	24.80			20.00		67.30

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	TOTARM	ARMSPAN	TRICEPSF	BICEPSKF	WAIST
1993.00	2.00	1.00	93.00		137.20	42.30			21.00		91.40
1994.00	2.00	1.00	116.00		137.80	47.50			21.00		77.50
1995.00	1.00	1.00	90.00		125.70	30.50			21.00		64.40
1996.00	2.00	1.00	159.00		157.50	40.90		165.10	10.00		66.00
1997.00	2.00	2.00	171.00		170.20	61.40		184.20	12.00		86.40

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1.00					16.50		9.00				24.8000496
2.00					18.00		10.00				26.04817504
3.00					15.00		9.00				18.06509366
4.00					13.00		13.00				
5.00					13.50		9.00				20.17691116
6.00							10.00				30.61256123
7.00					18.00		15.00				
8.00					22.50		13.00				
9.00					17.00		10.50				
10.00					18.00		14.00				
11.00					19.00		14.50				
12.00					18.00		16.00				30.02678124
13.00					17.00		16.00				24.29538068
14.00					19.50		17.00				30.7520615
15.00					19.00		17.00				
16.00					19.00		14.00				19.97067941
17.00					18.00		13.00				22.64488585
18.00					15.50		12.50				22.7333788
19.00					21.00		13.00				
20.00					20.00		13.00				
21.00					29.50		18.50				23.92330871
22.00					30.00		19.00				18.35832372
23.00					27.00		17.50				
24.00					26.00		18.00				
25.00					26.00		18.00				
26.00					32.00		19.00				26.17369347
27.00					31.00		17.00				24.16739527
28.00					30.00		18.00				17.4554798
29.00					27.00		16.00				
30.00					30.00		17.00				
31.00					26.00		16.50				
32.00					27.50		18.00				18.26220684
33.00					26.00		17.50				15.54720936
34.00					24.00		14.50				
35.00					27.50		13.50				17.19674556
36.00					26.00		19.00				14.36571707
37.00					28.00		21.50				18.35832372
38.00					29.00		22.00				14.3306213
39.00					25.50		14.00				
40.00					28.00		20.00				
41.00					23.00		22.00				15.89658485
42.00					32.00		21.50				16.50799196
43.00					27.50		23.00				18.49112426
44.00					28.00		24.00				15.45986549
45.00					27.50		24.00				17.31824417
46.00					29.00		23.00				18.53207627
47.00					30.00		26.00				14.92767005
48.00					29.50		24.50				14.8507233
49.00					29.00		26.00				15.16052319
50.00					30.50		26.50				16.4365549
51.00					32.50		19.00				15.61849229
52.00					33.00		22.00				16.41275987
53.00					35.50		22.00				14.50892857
54.00					35.50		25.00				15.26773322
55.00					36.00		26.00				22.57286873
57.00					34.00		23.00				14.69682979
58.00					34.00		24.00				17.05994898
59.00					37.00		25.00				16.46062886
60.00					36.00		26.00				18.92521715
61.00					34.00		25.00				20.60048214
62.00					34.00		22.00				15.26773322
63.00					34.00		21.00				16.41275987
64.00					34.00		24.00				14.61027102
65.00					34.00		23.00				15.00461681
66.00					35.50		26.00				15.58720774
67.00					36.50		25.00				13.77317925
68.00					37.00		25.00				18.304
69.00					37.00		24.00				18.62809555
70.00					36.00		25.00				16.08187135
71.00					33.50		24.50				14.61027102
72.00					38.00		24.00				16.29045219

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
73.00					36.50		24.00				13.5255648
74.00					36.00		27.00				17.40123623
75.00					37.00		25.00				19.55119592
76.00					36.00		24.00				14.31209603
77.00					35.00		26.00				14.75884471
78.00					38.00		26.00				14.848
79.00					36.00		24.00				16.08187135
80.00					37.50		25.00				16.29045219
81.00					36.50		25.00				15.25127654
82.00					36.50		27.00				17.472
83.00					38.00		25.00				16.77439212
84.00					38.00		28.00				15.500031
85.00					36.00		24.00				14.12329638
86.00					36.00		25.00				14.528
87.00					34.00		25.00				21.3652244
88.00					38.50		27.00				18.048
89.00					41.00		29.00				23.37404675
90.00					42.00		28.00				14.75837818
91.00					44.00		29.00				16.2501998
92.00					40.00		27.00				20.58404117
93.00					40.00		30.00				16
94.00					36.00		27.00				15.8559527
95.00					39.00		28.50				15.19003038
96.00					41.00		29.50				15.62130178
97.00					40.00		30.00				14.97942387
98.00					36.00		25.00				16.3830238
99.00					42.00		30.00				16.46331717
100.00					36.00		24.00				17.2401198
101.00					38.50		26.00				18.04203608
102.00					37.00		25.00				14.9755278
103.00					40.00		28.00				16.41414141
104.00					39.50		28.00				18.25068871
105.00					43.00		28.00				19.478738
106.00					38.50		27.00				15.62130178
107.00					41.50		29.00				18.57988166
108.00					47.00		30.00				16.68367347
109.00					41.50		28.00				20.68587106
110.00					47.00		30.00				17.55555556
111.00					42.00		29.00				18.16825617
112.00					40.50		28.50				15.89761249
113.00					44.00		30.00				21.58163265
114.00					41.50		28.00				16.41414141
115.00					43.00		29.00				
116.00					42.50		28.00				15.02477489
117.00					40.00		28.00				18.02112029
118.00					47.00		30.00				21.88902772
119.00					47.00		32.00				16.75555556
120.00					41.50		27.00				16.184573
121.00					46.50		32.00				19.57517701
122.00					42.00		30.00				16.02040816
123.00					43.50		29.00				20.1920439
124.00					37.50		26.00				15.500031
125.00					44.00		30.00				16.91132712
126.00					40.00		27.00				18.28402367
127.00					45.00		31.00				17.93103448
128.00					42.50		31.00				18.91416698
129.00					43.00		30.00				17.90185945
130.00					43.00		29.00				19.69387755
131.00					43.50		28.00				14.06574671
132.00					46.00		30.00				14.18369371
133.00					46.00		30.00				21.87066058
134.00					47.00		30.50				15.54907677
135.00					49.00		35.00				28.17898023
136.00					46.00		31.00				14.94747559
137.00					42.00		32.00				15.69272977
138.00					42.50		29.00				17.14285714
139.00					47.00		32.00				15.52549428
140.00					43.00		29.00				16.88466112
141.00					47.00		31.00				15.54907677
142.00					43.00		30.00				18.57142857
143.00					45.50		29.00				18.59690844

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
144.00					49.00		34.00				20.25623269
145.00					47.00		30.00				25.73127229
146.00					47.00		33.00				16.19695497
147.00					49.00		34.00				14.94151578
148.00					46.50		31.00				16.64684899
149.00					45.00		29.00				19.39099385
150.00					48.50		34.00				22.22222222
151.00					48.50		31.00				15.77777778
152.00					51.00		30.00				23.64203954
153.00					46.00		31.00				17.2613263
154.00					48.00		33.00				21.76899063
155.00					43.00		29.00				20.35270925
156.00					44.00		30.00				16.94283126
157.00					53.50		34.00				20.60353798
158.00					47.00		35.00				21.42222222
159.00					46.50		33.00				15.33333333
160.00					45.00		30.00				17.80400714
161.00					50.00		35.00				24.4921875
162.00					49.00		34.00				17.16093959
163.00					50.50		34.00				20.234375
164.00					45.00						17.60204082
165.00					48.00		29.50				19.29012346
166.00					53.00		34.00				15.078125
167.00					50.00		35.00				20.95016824
168.00					49.50		33.00				24.13601606
169.00					47.00		31.00				31.97741682
170.00					53.50		36.00				29.35307708
171.00					57.50		35.50				19.96539792
172.00					56.50		36.00				22.03172568
173.00					52.00		37.50				16.12358031
174.00					52.50		31.50				18.74699567
175.00					55.00		33.50				24.5915333
176.00					58.50		33.00				22.72440348
177.00					47.00		31.50				16.97777778
178.00					54.00		34.50				19.58542905
179.00					49.50		35.00				16.85744017
180.00					54.00		35.00				19.50376583
181.00					54.50		36.00				22.00692042
182.00					49.50		34.00				22.03081717
183.00					55.00		38.00				22.11146711
184.00					56.50		28.50				21.82222222
185.00					51.00		37.00				21.51836735
186.00					52.00		36.00				17.62523191
187.00					61.00		39.00				21.00433819
188.00					61.00		38.00				22.16049383
189.00					57.50		36.00				20.79401945
190.00					53.00		38.50				18.28125
191.00					54.00		32.50				19.50081089
192.00					51.50		36.00				18.74699567
193.00					55.00		37.00				21.04683196
194.00					57.50		37.00				18.48018367
195.00					62.00		42.00				25.81068007
196.00					59.00		42.50				25.65963893
197.00					62.00		39.00				28.02190373
198.00					64.00		40.00				22.63467632
199.00					60.00		40.00				23.35095106
200.00					55.00		36.50				22.42705763
201.00					54.00		38.00				19.805839
202.00					55.50		37.00				21.80232558
203.00					50.50		31.00				21.83143727
204.00					55.50		36.50				21.20169297
205.00					53.00		37.00				21.2585034
206.00					57.00		39.00				22.61835719
207.00					59.00		40.00				27.42429009
208.00					55.50		40.00				24.68122712
209.00					57.50		39.00				26.57469977
210.00					56.00		38.00				21.94783239
211.00					53.00		35.50				25.03310692
212.00					53.50		35.50				20.95016824
213.00					54.50		36.00				20.44982699
214.00					54.00		36.50				22.82833234

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
215.00					56.00		37.00				20.04897959
216.00					58.00		39.00				25.09861213
217.00					57.50		39.00				19.70316566
218.00					60.00		38.00				23.37959184
219.00					61.50		39.00				22.56616257
220.00					51.00		37.50				29.7973356
221.00					50.50		34.50				22.88337925
222.00					50.00		37.00				23.19944598
223.00					49.50		33.50				20.29473986
224.00					49.50		33.50				20.26323617
225.00					49.50		36.00				20.64341393
226.00					63.50		41.00				24.41358025
227.00					61.00		37.50				26.26215376
228.00					63.00		40.00				22.05989774
229.00					60.00		37.00				22.68967885
230.00					53.00		39.00				30.50108932
231.00					51.50		31.50				20.68747281
232.00					48.00		31.00				19.52133195
233.00					48.00		29.00				16.42834004
234.00					46.50		28.00				18.92984542
235.00					50.00		33.00				
236.00					48.80		30.50				
237.00					53.00		35.00				
238.00					43.50		27.00				20.16652249
239.00					45.50		28.00				22.08138424
240.00					47.00		29.00				19.02497027
241.00					45.00		28.50				15.7431629
242.00					45.50		29.00				17.3128858
243.00					47.00		30.50				20.64177144
244.00					46.50		30.50				15.53984055
245.00					48.80		31.00				14.80013493
246.00					46.50		28.00				18.76524676
247.00					51.00		29.50				17.66929652
248.00					48.30		29.50				22.98026649
249.00					46.00		28.00				18.97357582
250.00					37.00		26.50				16.64370983
251.00					41.50		27.00				16.04471818
252.00					45.00		27.50				16.09576983
253.00					46.00		28.00				26.18650946
254.00					48.50		31.50				18.42653421
255.00					51.00		31.00				22.94213045
256.00					46.50		31.50				18.73048907
257.00					44.00		31.50				19.9099723
258.00					42.00		28.00				20.08631254
259.00					40.00		26.00				17.04545455
260.00					45.50		28.50				26.31463532
261.00					36.30		23.00				14.75309064
262.00					34.50		22.00				15.53210464
263.00					45.80		25.50				14.06574671
264.00					41.50		26.00				16.98596569
265.00					43.30		24.50				20.9777985
266.00					44.50		27.00				22.55513477
267.00					43.50		26.00				17.83264746
268.00					42.30		26.00				13.9229227
269.00					46.50		28.00				23.26530612
270.00					40.30		23.00				19.52662722
271.00					40.50		25.00				14.46280992
272.00					43.00		26.00				16.42857143
273.00					40.50		25.00				17.27294922
274.00					41.50		26.50				16.95473251
275.00					41.00		25.00				17.84748513
276.00					47.00		28.00				16.59928656
277.00					38.00		25.50				19.44444444
278.00					39.50		25.00				16.6015625
279.00					39.00		24.50				15.13671875
280.00					38.00		25.00				15.93017578
281.00					42.80		27.00				16.98596569
282.00					55.00		35.00				22.69387755
283.00					32.50		22.00				16.18147448
284.00					28.50		20.00				14.5
285.00					30.00		20.50				17.49327182

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
286.00					33.00		22.00				15.65524787
287.00					27.00		16.00				14.89710895
288.00					57.50		37.50				19.88571429
289.00					59.00		38.00				18.65294786
290.00					26.00		16.50				16.06648199
291.00					34.00		21.00				15.26773322
292.00							15.00				15.35685492
293.00					49.00		32.00				21.31068739
294.00					47.00		31.00				17.76237884
295.00					48.00		33.00				19.83514622
296.00					48.50		33.00				22.58270917
297.00					49.00		34.00				22.80004629
298.00					22.50		14.00				19.05164773
299.00					27.00		19.00				18.38831801
300.00					20.00		15.00				16.86625063
301.00					31.00		20.00				15.12993948
302.00					33.50		22.00				14.82780612
303.00					28.50		19.00				14.1
304.00					18.50		13.00				18.27469847
305.00					24.00		13.50				17.22225667
306.00					45.50		33.00				25.56764871
307.00					58.00		38.00				32.28305785
308.00					54.50		37.00				21.73704874
309.00					47.80		29.00				28.73961219
310.00					50.50		32.00				18.32631732
311.00					60.80		38.50				20.49214748
312.00					54.80		35.00				23.25145907
313.00					48.50		34.00				19.89143367
314.00					51.50		33.00				20.99791389
315.00					55.00		37.00				22.4
316.00					56.50		39.00				22.18638956
317.00					55.80		36.00				20.61728395
318.00					55.50		36.00				20.65179227
319.00					49.50		34.00				17.74905099
320.00					47.50		31.00				18.89020071
321.00					52.50		35.00				19.37919743
322.00					48.30		33.00				22.85119667
323.00					56.00		35.00				18.34498336
324.00					51.00		36.00				19.49317739
325.00					48.50		33.00				20.92664383
326.00					49.30		32.00				23.83254015
327.00					55.50		36.50				18.46346941
328.00					50.00						20.5126275
329.00					55.30		37.00				19.36983471
330.00					50.00		33.00				17.63681231
331.00					47.50		34.00				23.29812903
332.00					51.50		35.50				21.30302232
333.00					50.80		34.50				18.05029746
334.00					54.00		38.00				22.74045359
335.00	4.00	9.00	21.30	9.00		16.00			14.23	15.99	17.79513889
336.00	40.00		25.50	9.00						15.06	17.53104456
337.00	7.00	12.00	25.50	5.00		19.00			17.17	14.65	14.79591837
338.00	10.00	12.00	31.00	10.00		18.00			18.52	18.90	17.60474825
339.00	12.00		35.00	12.00						21.90	
340.00	14.00		39.50	6.00						13.69	
342.00	12.00		22.90	7.00						18.40	17.53232522
343.00	8.00	7.00	20.00	7.00		15.00			12.76	15.61	15.83175803
344.00							26.40				15.68603516
345.00							33.00				22.29629296
346.00							23.50				15.54528061
347.00							41.30				23.42592593
348.00							29.20				16.22558286
349.00							25.40				18.30621302
350.00							36.20				24.13137796
351.00							33.00				23.61457221
352.00							43.20				23.1206236
353.00							26.00				16.25
354.00							24.80				14.89773588
355.00							24.10				12.90494838
356.00							25.70				15.26868927
357.00							20.30				26.7

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
358.00							24.80				16.91596836
359.00							20.30				16.95290859
360.00							25.40				
361.00							25.70				16.21740083
362.00							34.30				20.08888889
363.00							40.60				21.64268354
364.00							20.00				16.47358912
365.00							20.30				14
366.00											
367.00							43.80				21.96230947
368.00							40.60				18.52952834
369.00							38.70				27.59183673
370.00							29.90				15.98461631
371.00							23.50				15.57107988
372.00							20.30				16.73130194
373.00							35.60				18.0078125
374.00							17.20				14.1466727
375.00							30.50				18.85656216
376.00							36.50				18.63073507
377.00							28.60				14.34802571
378.00							33.00				15.84126298
379.00							35.60				16.64932362
380.00							24.10				15.12993948
381.00							16.80				
382.00							24.70				14.23994304
383.00							38.10				21.85287781
384.00							24.10				12.71002542
385.00							22.90				16.2037037
386.00							40.60				18.42212006
387.00							36.80				19.8046875
388.00							36.80				16.6569694
389.00		11.00	21.60		76.20		20.60		14.23		15.02314613
390.00					44.40	22.90	33.00				16.36464497
391.00		6.00	25.40			33.00	21.00		12.42		15.22640306
392.00		12.00	24.10		32.20	20.90	20.40		16.52		14.29752066
393.00		12.00	21.60		33.00	20.30	22.80		17.17		15.00461681
394.00		15.00	24.10			22.90	17.80		20.35		17.55611844
395.00		12.00	24.80		31.00	17.80	18.00		19.13		16.19793521
396.00		10.00	22.90		48.20	18.10	17.80		16.52		18.01195186
397.00		10.00	25.40		33.00	17.80	20.40		17.91		17.49327182
398.00		10.00	19.70			20.30	20.40		14.23		14.99423299
399.00		15.00	20.30		32.00	20.30	20.40		20.35		15
400.00		15.00	21.60			20.30	19.80		23.40		16.53210304
401.00		11.00	22.80		39.40	21.60	18.60		17.91		14.32439514
402.00		11.00	22.90		32.00	22.90	22.80		15.47		16.82692308
403.00		11.00	19.60		31.00	22.90	23.20		16.44		16.07608787
404.00			15.20		30.40	23.20	20.40				16.68267971
405.00		12.00	22.90		33.00	20.30	27.40		19.13		17.3
406.00		8.00	26.00		30.00	27.30	21.60		16.69		15.50198847
407.00		4.00	17.20		29.00	21.60	22.80		11.20		17.68550557
408.00		7.00	21.60		30.00	22.90	20.40		15.47		13.88767578
409.00		7.00	21.60		23.20	20.30	20.40		15.47		16.62821992
410.00		4.00	22.90		25.00	20.30	23.20		14.25		15.65524787
411.00		9.00	25.40		30.20	23.20	20.40		13.50		15.38584184
412.00		6.00	25.40		34.00	20.30	17.80		12.76		16.46660511
413.00			27.90		30.40	17.80	21.60				18.76033058
414.00			22.90		33.00	21.60	20.40				15.89658485
415.00		13.00	19.70		30.80	20.30	25.40		17.17		15.22640306
416.00		7.00	22.90		30.40	25.40	20.40		13.50		17.25443986
417.00			22.90		30.40	20.30	20.80				14.77152829
418.00			22.90		28.00	20.80	17.80				17.11939907
419.00			17.80		27.00		15.20				16.62338314
420.00			20.30		30.40	15.40	22.20				13.35445903
421.00		10.00			30.20	22.20	22.80		14.97		15.22640306
422.00			22.90		34.00	22.90	20.40				15.31857588
423.00		12.00	25.40		33.00	20.30	21.80		22.18		19.46159122
424.00		8.00	20.30			21.60	21.80		14.23		14.87528345
425.00		11.00	21.00			21.60	21.80		16.69		14.40329218
426.00			22.90		31.00	21.60	21.80				14.47637879
427.00		15.00	24.90		47.00	21.60	35.60		25.23		18.14058957
428.00		12.00	33.00		49.60	35.60	33.60		22.18		21.30428316

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
429.00		21.00	33.00		48.20	33.70	35.60		27.06		16.89939403
430.00		15.00	33.00		46.00	24.10	34.20		20.96		19.30980726
431.00		18.00	34.90		50.20	34.30	33.60		20.11		22.39224483
432.00		10.00	33.00		50.00	34.30	38.10		17.17		19.30821634
433.00			35.60		44.20	38.10	33.60				20.97505669
434.00			30.50		47.50	33.70	33.00				16.66602369
435.00		12.00	33.00		44.00	33.00	34.20		13.50		19.05790672
436.00		20.00	34.30		42.50	34.30	30.40		24.01		20.32443826
437.00		20.00	35.60			30.50					19.79796341
438.00	10.00		23.00	9.00		18.20	18.20			21.90	17.65927978
439.00	11.00					17.80	17.80				16.34353469
440.00	9.00		24.00	7.00		23.00				17.23	17.76506455
441.00	11.00	20.00	19.00	13.00		13.50	13.50		27.46	26.66	17.67676768
442.00	5.00			8.00		19.00	19.00			17.49	
443.00	4.00	9.00	16.50	7.00		11.00	11.00		15.47	14.53	14.9872449
444.00	15.00	32.00	36.50	20.00		33.00	33.00		42.16	36.05	26.00511177
445.00	5.00	15.00	20.50	8.00		15.50	15.50		19.38	17.49	15.33966399
446.00	14.00	23.00	18.50	12.00		15.50	15.50		24.52	20.18	17.94767205
447.00	8.00					13.50	13.50				14.848
448.00	25.00	27.00	39.00	17.00		40.00	40.00		42.90	38.40	26.34649403
449.00	20.00	25.00	37.90	19.00		40.10	40.10		34.99	33.18	21.22774662
450.00	17.00	17.00	36.50			35.50	35.50		25.99		21.08134921
451.00	12.00	21.00	19.40	14.00		14.50	14.50		27.67	25.70	17.40916426
452.00	10.00	9.00	23.40	10.00		18.30	18.30		19.74	22.63	20.40816327
453.00	15.00	24.00	19.50	13.00		16.50	16.50		25.84	21.21	17.90633609
454.00	11.00	20.00	19.00	14.00		13.60	13.60		27.06	25.70	18.46575921
455.00	12.00	20.00	23.80	17.00		18.70	18.70		27.06	27.23	16.14328158
456.00	13.00	21.00	24.70	19.00		21.00	21.00		28.28	29.36	16.48743406
457.00	13.00	21.00	19.80	14.00		14.70	14.70		28.28	26.24	17.70121516
458.00	8.00	17.00	19.90	17.00		18.90	16.90		20.85	25.14	15.43413787
459.00	11.00	15.00	23.10	9.00		17.90	17.90		22.18	20.47	17.42101806
460.00	8.00	18.00	19.90	12.00		17.10	17.10		24.01	22.63	18.19788478
461.00	7.00	17.00	21.00	11.00		17.90	17.90		23.79	23.55	18.62531505
462.00	13.00	20.00	23.10	17.00		18.50	16.50		25.23	25.70	18.72690037
463.00	9.00	16.00	19.90	10.00		16.90	16.90		20.96	18.90	18.53003436
464.00	12.00	21.00	26.50	15.00		17.90	17.90		25.84	24.55	21.99817223
465.00	11.00	19.00	26.40	14.00		17.30	17.30		24.01	23.29	20.71625344
466.00	8.00	15.00	19.80	10.00		16.10	16.10		19.38	19.30	18.23563243
467.00	8.00	18.00	19.70	13.00		17.20	17.20		22.79	21.93	23.38331306
468.00	9.00	17.00	18.50	10.00		15.10	15.10		23.05	21.90	18.30576947
469.00	11.00	19.00	20.10	12.00		19.70	19.70		27.06	25.14	18.45952921
470.00	10.00	23.00	23.00	13.00		19.10	19.90		30.40	27.40	17.42870077
471.00	7.00	18.00	19.50	10.00		17.10	17.10		23.40	20.47	19.72244898
472.00	8.00	18.00	21.00	14.00		17.80	17.80		22.79	22.63	22.34351559
473.00	9.00	21.00	19.50	8.00		15.20	15.20		23.79	17.49	15.57782876
474.00	10.00	22.00	20.00	9.00		18.80	18.80		28.93	23.55	19.92358304
475.00	8.00	18.00	19.50	12.00		16.10	16.10		23.79	23.55	18.8738597
476.00	11.00	17.00	18.10	10.00		17.50	17.50		23.79	22.73	20.01549587
477.00	12.00	25.00	19.40	10.00		18.60	18.60		30.72	23.93	25.59373706
478.00	9.00	17.00	23.00	8.00		19.10	19.10		20.85	17.49	18.28571429
479.00	9.00	19.00	19.50	8.00		17.90	17.90		23.40	18.08	
480.00	10.00	21.00	21.70	10.00		15.30	15.30		24.52	20.18	19.52433677
481.00	8.00	24.00	27.00	9.00		17.80	17.80		27.06	19.70	16.53012467
482.00	7.00	20.00	18.10	10.00		18.00	18.00		25.99	22.73	17.68365358
483.00	11.00	20.00	19.10	11.00		17.50	17.50		27.06	23.93	15.14960232
484.00	11.00	19.00	18.50	10.00		17.90	17.90		25.99	23.55	14.54584217
485.00	9.00	19.00	19.10	11.00		22.00	22.00		22.18	18.90	15.61983471
486.00	11.00	20.00	21.00	14.00		25.20	25.20		22.18	20.47	16.1271609
487.00	10.00	18.00	18.20	10.00		22.30	50.50		20.96	17.23	15.500031
488.00	8.00	17.00	17.00	9.00		27.00	42.50		20.11	17.49	15.30612245
489.00	7.00	19.00	20.30	13.00		29.70	60.50		20.85	18.48	18.62222222
490.00	11.00	20.00	21.40	13.00		28.90	28.90		23.40	21.21	16.4900519
491.00	10.00	21.00	16.70	9.00		19.10	19.10		24.01	18.08	18.29149324
492.00	9.00	22.00	20.50	12.00		31.90	31.90		23.79	16.68	19.06570151
493.00	10.00	19.00	13.00	8.00		21.80	21.80		22.79	17.23	15.34636488
494.00	11.00	18.00	21.10	13.00		29.70	29.70		22.32	22.73	17.85621862
495.00	10.00	15.00	13.50	9.00		22.90	22.90		19.13	16.35	15.21893912
496.00	12.00	17.00	13.30	11.00		22.90	22.90		22.32	20.40	15.45778835
497.00	10.00	15.00	12.50	10.00		26.90	26.90		19.74	18.08	15.260631
498.00	10.00	18.00	18.00	10.00		17.60	17.60		22.18	18.90	18.86840186
499.00	8.00	11.00	16.50	12.00		22.10	22.10		17.91	20.47	15.53210464

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
500.00	9.00	9.00	19.50	13.00		28.80	28.80		16.08	20.47	17.16465353
501.00	8.00	10.00	19.10	10.00		23.10	23.10		17.30	18.90	15.78876646
502.00	9.00	12.00	18.00	9.00		22.60	22.60		16.44	15.99	16.10055787
503.00	10.00	12.00	19.20	12.00		16.80	16.80		19.13	21.21	18.35608575
504.00	9.00	14.00	18.10	10.00		17.50	17.50		19.38	20.18	18.63806747
505.00	9.00	8.00	21.00	12.00		36.10	36.10		12.76	15.50	17.17532039
506.00	10.00	10.00	21.30	12.00		24.10	24.10		26.45	29.90	15.78876646
507.00	12.00	11.00	23.10	12.00		22.90	22.90		24.01	26.75	17.98611111
508.00	15.00	15.00	25.00	15.00		26.80	26.80		24.52	27.13	20.38936068
509.00	16.00	17.00	37.40	14.00		17.30	17.30		27.46	29.52	18.97707612
510.00	25.00	27.00	39.30	17.00		41.50	41.50		34.81	29.79	24.89408634
511.00	20.00	10.00	31.50	15.00		33.40	33.40		26.45	31.54	20.87949814
512.00	21.00	15.00	33.40	14.00		30.80	30.80		28.93	30.57	20.60606061
513.00	17.00	19.00	35.70	14.00		31.90	31.90		28.89	27.69	22.39397543
514.00	10.00	10.00	35.90	13.00		29.00	29.00		16.08	19.70	18.33830505
515.00	12.00	14.00	29.80	14.00		28.30	28.30		17.91	20.20	18.5570827
516.00	15.00	13.00	40.30	14.00		38.10	38.10		19.74	22.63	22.02432251
517.00	15.00	10.00	41.70	13.00		39.20	39.20		19.13	23.29	21.5973657
518.00	19.00	12.00	33.00	15.00		35.00	35.00		21.57	25.70	22.16276919
519.00	18.00	16.00	41.50	13.00		30.70	30.70		22.32	22.65	18.855359
520.00	19.00	15.00	29.80	13.00		29.10	29.10		19.74	20.47	20.56878575
521.00	15.00	19.00	39.30	14.00		34.90	34.90		22.32	19.23	19.30821634
522.00	13.00	13.00	39.00	15.00		35.20	35.20		17.91	21.21	21.4532872
523.00	13.00	14.00	41.10	14.00		36.80	36.80		19.13	21.21	20.48631767
524.00	9.00	23.00	29.00	10.00		23.00	23.00		28.28	22.63	15.78512397
525.00	24.00	28.00	35.00	18.00		20.50	20.50		37.43	33.18	14.88969333
526.00	20.00	25.00	34.20	15.00		31.50	31.50		33.77	29.90	19.18746482
527.00	15.00	27.00	33.50	14.00		34.50	34.50		35.55	26.39	20.44913742
528.00	21.00	11.00	31.90	16.00		34.90	34.90		25.23	30.45	20.25721531
529.00	9.00	10.00	21.90	13.00		37.90	37.90		16.69	20.47	20.8415907
530.00	14.00	14.00	24.90	13.00		25.30	25.30		22.79	24.55	20.17587114
531.00	7.00	17.00	19.80	11.00		29.90	29.90		18.64	17.49	18.48888889
532.00	8.00	19.00	20.90	13.00		29.80	29.80		21.57	19.70	17.0392308
533.00	0.00	20.00	21.90	10.00		28.70	28.70		24.01	19.70	17.19290657
534.00	9.00	13.00	19.10	11.00		23.60	23.60		18.64	21.05	17.15277778
535.00	24.00	28.00	36.10	18.00		20.90	24.90		37.43	33.18	21.78812923
536.00	11.00	21.00	22.10	15.00		25.90	20.90		23.40	21.93	16.24196511
537.00	17.00	15.00	12.90	10.00		26.90			20.11	20.18	
538.00	12.00	17.00	13.90	11.00		22.90			21.57	19.70	15.72823901
539.00	11.00	19.00	19.30	11.00		23.30			22.18	18.90	16.05803212
540.00	10.00	19.00	20.00	13.00		24.90			20.85	18.68	17.08984375
541.00		12.00	26.50		37.50		27.90		20.11		18.34184359
542.00		5.00	26.00		39.50		27.90		11.81		16.15384615
543.00		12.00	25.50		41.50		29.20		20.11		15.19890261
544.00		12.00	28.00		42.50		27.00		20.11		16.2501998
545.00		10.00	25.00		35.00		27.00		14.23		15.25878906
546.00		11.00	24.00		41.00		25.00		15.47		15.56396484
547.00		10.00	23.00		34.00		23.00		14.97		13.66026911
548.00		20.00	27.50		45.50		33.00		24.62		16.66336044
549.00		16.00	30.50		53.00		30.50		22.32		16.80637738
550.00		11.00	30.50		52.50		33.00		16.44		17.55333513
551.00			25.50		37.30		27.90				16.54052734
552.00		20.00	31.00		45.50		28.00		25.99		20.11971229
553.00		12.00	24.50		45.00		28.00		15.47		14.33522369
554.00		14.00	27.00		45.00		30.50		20.11		15.50428899
555.00		18.00	25.00		36.00		25.00		20.35		14.07402815
556.00		12.00	25.00		44.00		27.50		17.17		15.96707819
557.00		10.00	25.50		38.50		25.40		14.86		16.92603385
558.00		12.00	23.00		40.30		26.00		17.17		29.76
559.00		22.00	32.50		49.00		31.00		33.34		22.814568
560.00		21.00	24.50		42.50		27.90		24.01		16.09467456
561.00		20.00	33.50				38.10		24.01		20.1384083
562.00			30.00		49.00		30.00				18.58108108
563.00		14.00	31.00		45.00		36.80		23.05		17.15929379
564.00		10.00	27.00		41.50		30.50		14.23		16.24142661
565.00		18.00	26.50		42.00		24.50		20.11		14.63498623
566.00		10.00	22.50		38.00		27.00		15.70		13.62428628
567.00		15.00	30.00				28.00		19.74		17.02994123
568.00		26.00	34.30		53.00		30.50		34.81		20.64992495
569.00		14.00	31.10		52.80		30.50		20.35		16.71258035
570.00		9.00	20.50		33.00	18.20	20.50		16.08		15.77408433

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAPI	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
571.00		10.00	21.00		29.20	15.30	19.00		14.97		14.61023659
572.00		15.00	24.00		34.50	18.50	24.50		23.05		15.77408433
573.00		15.00	24.00		30.50	18.50	18.50		23.05		17.0320552
574.00		14.00	21.00		30.50	16.40	16.50		19.74		16.00816313
575.00		11.00	21.50		32.00	17.30	20.00		20.11		14.1509434
576.00		12.00	22.50		31.00	16.80	19.50		17.30		15.94650206
577.00		13.00	21.00		29.00	17.00	18.40		20.35		15.5
578.00		9.00	22.00		34.00	16.60	22.50		16.44		14.00459638
579.00		10.00	21.50		31.80	16.50	18.00		19.74		15.23809524
580.00		10.00	23.50		36.00	18.80	21.50		16.44		15.23483948
581.00		12.00	24.50		33.00	17.50	19.00		20.35		15.94387755
582.00		9.00	23.00		36.00	17.20	22.00		14.23		15.38935057
583.00		10.00	22.00		29.00	17.50	22.20		16.08		15.99482249
584.00		14.00	22.00		35.00	17.80	21.00		20.85		15.65524787
585.00		15.00	20.50		31.00	17.50	20.00		20.96		17.35493058
586.00		11.00	21.40		30.50	16.50	19.00		16.44		14.3306213
587.00		11.00	22.20		30.50	16.50	21.00		17.91		15.83561127
588.00			23.00		33.00	19.50	20.00				17.37882653
589.00		12.00	24.00		31.00	18.30	18.00		19.74		16.83359987
590.00		9.00	21.00		29.00	14.00	19.00		13.50		13.2
591.00		15.00	24.50		33.00	18.00	22.50		20.11		16.05450701
592.00		10.00	22.50		30.50	17.00	20.50		15.70		15.65524787
593.00		9.00	22.50		32.00	16.50	19.50		14.23		15.45986549
594.00		8.00	22.40		30.00	18.50	20.00		16.08		15.41950113
595.00		10.00	22.50		32.00	17.50	21.50		16.69		15.45986549
596.00		9.00	20.00		27.00	15.00	19.50		12.03		12.49519416
597.00		10.00	19.50		27.00	15.80	17.00		16.69		14.19127605
598.00		11.00	20.00		25.00	19.50	17.80		13.50		14.85426901
599.00		11.00	18.00		26.50	15.00	17.50		14.23		13.43957672
600.00		16.00	21.80		30.00	16.00	19.00		22.79		14.1126756
601.00		20.00	25.00		32.50	19.00	22.00		23.05		17.90549393
602.00		14.00	21.00		31.00	17.50	20.00		23.40		15.23809524
603.00		11.00	17.80		27.00	15.00	17.50		17.30		14.31349343
604.00		13.00	20.20		27.50	17.50	19.00		18.52		14.89811611
605.00		13.00	21.50		32.50	16.50	19.50		20.35		14.59594162
606.00		16.00	21.50		33.00	17.00	22.50		18.64		14.89773588
607.00		16.00	25.00		34.00	19.50	22.00		21.57		17.4669129
608.00		15.00	23.50		33.00	19.50	22.00		22.32		17.36872007
609.00		13.00	22.00		30.50	17.00	20.50		17.17		15.23809524
610.00		15.00	23.50		32.50	18.30	21.00		22.79		15.99191987
611.00		14.00	22.50		30.50	18.30	19.00		22.32		14.98727496
612.00		11.00	21.00		30.00	18.70	18.50		17.17		14.5
613.00		15.00	24.00		34.50	19.00	20.00		23.40		17.35493058
614.00			21.50		31.00	18.00	21.50				15.04132231
615.00		14.00	24.50		35.50	17.00	22.00		18.52		16.36776568
616.00		10.00	30.50		32.00	16.10	20.00		17.91		13.88767578
617.00		20.00	24.00		35.00	21.50	21.00		27.06		17.53864447
618.00		10.00	24.00		33.00	17.80	21.00		17.91		15.38935057
619.00		7.00	20.50		30.50	16.50	21.00		12.03		14.13893864
620.00		10.00	25.00		32.50	21.20	21.50		16.44		18.76033058
621.00		8.00	21.50		30.00	16.60	20.00		11.29		
622.00		13.00	30.00		33.50	25.50	22.50		20.85		17.69336904
623.00		12.00	24.00		33.00	18.40	19.50		18.52		16.90993236
624.00		17.00	21.50		34.00	17.00	21.00		22.18		14.77152829
625.00		13.00	23.00		30.50	18.00	20.00		20.11		16.62821992
626.00		8.00					23.00		11.29		14.41035193
627.00		16.00					27.00		20.35		17.31578667
629.00							18.50				14.17487718
630.00		9.00					27.50		15.70		15.12993948
631.00		14.00			20.50	14.00	13.00		15.70		18.48351187
632.00		11.00			31.00	19.00	21.50		17.91		16.02359694
633.00		13.00			45.50	24.80	29.00		19.74		18.8
634.00		13.00			18.50	15.00	12.30		17.17		19.74288338
635.00		10.00			25.50	15.20	17.50		18.52		15.94990548
636.00		10.00			24.50	16.00	13.50		19.13		16.94618536
637.00		10.00	30.50		51.50	21.50	35.00		18.52		17.19008264
638.00		8.00			21.00	14.00	25.00		13.64		16.10649957
639.00					34.00		24.50				14.54160883
640.00					32.50		23.00				16.3830238
641.00					47.00		30.00				20.96021948
642.00					51.00		32.00				18.97953259

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
643.00					46.50		30.00				22.22222222
644.00					50.50		33.50				17.37373737
645.00					55.00		38.00				23.67125363
646.00					58.00		37.00				19.47228596
647.00					40.50		27.50				14.49704142
648.00					51.00		36.00				23.37723982
649.00		10.00	31.00	11.00	48.30	22.90	30.50		22.18	25.14	19.57992168
650.00		23.00	39.00	11.00	56.00	27.50	38.00		29.50	24.55	22.05806915
651.00		14.00	35.60	8.00	56.00	26.70	40.60		20.85	16.38	20.38043478
652.00		10.00	34.50	10.00	54.00	24.80	38.00		17.91	19.70	20.78375967
653.00		14.00	36.20	12.00	50.80	10.50	33.00		23.40	24.55	21.12062709
654.00		23.00	37.50	10.00	52.00	28.50	36.00		28.20	21.03	24.05876951
655.00		19.00	34.00	12.00	51.00	24.50	36.00		27.67	25.70	19.9704142
656.00		23.00	37.00	15.00	50.00	32.50	36.00		37.43	34.27	25.94834065
657.00		19.00		10.00	49.00	24.00	35.60		24.01	20.47	19.49640559
658.00		20.00	38.10	15.00	53.30	28.00	35.60		31.14	29.79	22.98190175
659.00		14.00	29.50	12.00	52.00	22.00	36.00		22.79	23.93	17.62538055
660.00		20.00	36.20	13.00	57.20	26.70	39.40		33.77	31.54	20.56739802
661.00		18.00	36.20	25.00	49.50	29.20	36.50		33.77	39.18	27.3523398
662.00		40.00	38.00	17.00	52.70	30.50	35.60		46.58	34.27	26.73507967
663.00		18.00	37.00	14.00	57.00	28.00	38.00		30.11	29.90	23.71515392
664.00		14.00	35.60	12.00	52.10	24.10	35.60		25.84	26.75	19.07848575
665.00		13.00	33.00	10.00	49.50	17.00	33.00		20.96	21.21	17.46396176
666.00		22.00	37.80	14.00	55.20	24.00	35.60		28.28	25.70	23.40688053
667.00		32.00	35.00		49.00	26.50	33.00		38.65		25.10387812
668.00					48.50	23.00	33.00				22.43496358
669.00		24.00	33.00		51.00	27.00	34.00		31.94		21.40625
670.00		13.00	31.50		52.00	22.00	34.50		18.52		16.91101756
671.00		23.00	39.00		48.00	32.30	31.50		33.77		28.37746669
672.00		16.00	36.00		53.00	25.50	35.00		26.45		24.50083829
673.00		11.00	30.20		50.00	23.00	30.00		18.52		18.4765625
674.00		16.00	26.00		60.00	29.50	41.00		28.93		23.95439509
675.00		5.00	36.00		57.00	26.80	39.00		9.82		19.7710718
676.00		7.00	36.00		58.00	28.00	41.00		13.50		22.58181379
677.00		19.00	39.00		56.00		39.00		32.61		30.32334259
678.00		6.00	35.50		55.50	27.00	42.00		10.56		21.4934983
679.00		20.00	38.00		53.50	27.00	38.00		24.52		22.62020114
680.00		14.00	38.50		58.00	31.00	37.50		19.38		23.85717975
681.00		15.00	38.00		54.00	30.00	38.00		23.05		23.3450891
682.00		5.00			12.00	13.00	9.00		11.20		19.74288338
683.00		7.00			21.00	17.00	14.00		12.76		16.18162058
684.00		6.00			15.00	13.50	11.00		9.82		16.87781153
685.00		6.00			15.20	14.00	11.50		9.82		17.65927978
686.00	10.00	9.00	36.00	9.00	53.00	29.20	35.60		11.29	9.87	23.14695248
687.00	12.00	11.00	35.00	11.00	56.50	30.50	36.00		15.70	15.50	22.22152867
688.00	6.00	8.00	34.80	7.00	61.00	26.00	41.00		13.50	11.81	19.14145346
689.00	5.00	6.00	36.00	6.00	55.00	25.50	38.00		9.82	9.97	20.54863176
690.00	13.00	12.00	36.50	9.00	55.50	27.50	38.50		15.70	12.76	20.77553177
691.00	8.00	6.00	37.50	7.00	54.50	22.50	36.00		10.56	11.97	20.58204417
692.00	9.00	8.00	32.50	9.00	57.00	25.40	36.00		12.76	12.76	18.89868373
693.00	12.00	9.00	38.00		54.50	11.20	31.00		14.23		19.59183673
694.00	8.00	9.00	34.00	7.00	53.00	26.00	37.00		12.76	9.87	20.90429919
695.00	11.00	9.00	35.50	9.00	55.00	26.60	36.00		13.50	14.86	20.64341393
696.00	14.00	9.00	36.50	10.00	54.00	24.00	38.00		12.03	11.81	20.3706095
697.00	10.00	9.00	36.00	7.00	58.00	24.50	38.00		14.23	11.81	20.74910622
698.00	7.00	7.00	37.30	6.00	58.50	27.00	38.00		11.29	10.98	20.26876057
699.00	10.00	10.00	36.00	7.00	57.00	28.00	37.50		14.97	11.81	21.55931799
700.00	14.00	7.00	31.50	10.00	55.20	25.40	43.00		12.76	14.60	18.30576947
701.00	6.00	7.00	32.30	7.00	56.50	24.00	36.00		11.29	9.87	17.59259259
702.00		22.00	35.60	22.00	51.00	26.00	33.00		35.60	37.00	22.58270917
703.00		12.00	37.30		57.00	30.50	39.00		16.44		23.14814815
704.00		12.00	40.00		56.50	32.00	38.00		20.11		24.53703704
705.00		14.00	38.00		58.00	29.80	42.00		19.38		22.17677137
706.00		6.00	28.00		52.00	19.20	34.30		9.82		16.38469745
707.00		17.00	34.00		49.00	25.00	30.50		26.73		21.3382964
708.00		20.00	34.30		51.50	23.50	33.00		30.11		20.24916256
709.00		12.00	29.80		45.50	21.50	30.00		19.38		17.55401235
710.00		18.00	31.30		41.00	24.50	29.00		25.84		24.19753086
711.00		11.00	25.00		40.50	20.30	28.50		19.74		15.94211092
712.00		8.00	27.30		42.50	20.80	27.00		14.86		23.84299308
713.00		10.00	29.00		41.00	20.50	28.00		15.47		18.10699588

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
714.00		15.00	35.50		49.00	26.00	34.50		20.11		21.35930625
715.00		12.00	27.00		42.00	21.50	29.50		21.58		20.33604067
716.00		6.00	24.50		35.00	17.50	24.00		12.03		15.26773322
717.00		7.00	24.00		34.00	19.00	25.00		12.03		15.44096524
718.00		8.00	23.00		35.00	17.00	25.00		12.03		14.37785542
719.00		10.00	23.00		34.00	18.00	22.00		16.08		33.11909263
720.00		11.00	26.00		39.00	18.80	23.00		19.13		16.5842872
721.00							35.50				18.85813149
722.00							36.50				21.67125803
723.00							24.00				16.52455549
724.00					37.00		20.50				16.66218758
725.00					56.50		34.50				19.90740741
726.00					49.50		34.00				25.30762167
727.00					37.50		24.50				17.4556213
728.00					39.50		26.00				18.52071006
729.00					37.00		23.50				20.6601159
730.00					43.00		26.50				15.87724439
731.00					43.00		26.00				19.478738
732.00					37.00		24.00				17.33398438
733.00					37.00		25.50				18.04733728
734.00					37.00		21.50				16.59722697
735.00					34.00		23.00				16.02994139
736.00					35.00		23.00				16.18795666
737.00					40.50		25.00				17.97727401
738.00					37.00		25.00				16.14125051
739.00					51.00		32.50				25.2150447
740.00					45.00		27.50				19.66771906
741.00					42.50		28.50				14.27886408
742.00					44.00		28.00				19.11372667
743.00					45.50		27.50				23.46938776
744.00					48.00		30.00				23.11111111
745.00					41.00		27.50				14.7599481
746.00					41.50		28.00				14.70507545
747.00					43.50		29.00				23.21428571
748.00					52.00		37.00				19.77420227
749.00					52.00		35.50				21.46193662
750.00					39.00		24.00				21.1256979
751.00					25.00		15.00				13.53602666
752.00					25.00		18.00				15.30456076
753.00					28.00		16.50				14.28425671
754.00					38.00		23.00				15.45283526
755.00					46.00		30.50				16.23376623
756.00					21.00		15.00				17.87822567
757.00					52.00		33.00				19.83516296
758.00					37.00		25.00				14.63498623
759.00					42.00		26.00				17.10175544
760.00					33.00		20.00				14.36672968
761.00					38.00		27.00				14.34802571
762.00					46.00		28.00				16.22735845
763.00					40.50		24.00				15.99517127
764.00					42.00		25.50				17.12249526
765.00					37.00		25.50				13.85041551
766.00					31.80		23.00				14.00459638
767.00					42.00		28.50				14.18439716
768.00					33.00		24.00				14.64660038
769.00					25.00		17.50				17.7221172
770.00					26.00		18.50				15.27840652
771.00					21.00		15.00				16.44736842
772.00											17.50996256
773.00					19.30		18.00				22.30814991
774.00					34.00		25.00				14.54160883
775.00					36.00		25.00				14.10911045
776.00					37.00		25.00				16.4365549
777.00					50.50		35.50				22.55280073
778.00					36.00		25.00				15.11690406
779.00					55.00		39.00				22.20408163
780.00					54.00		38.00				20.89795918
781.00					62.00		46.00				21.9138057
782.00					24.00		13.00				17.31301939
783.00					49.50		33.00				20.25888343
784.00					54.00		35.20				21.4532872

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
785.00					60.00		38.00				23.37959184
786.00					51.00		33.00				20.01836547
787.00					63.00		41.00				24.41358025
788.00					52.00		35.50				21.46193662
789.00					56.50		35.00				22.16276919
790.00					63.00		40.00				22.05989774
791.00					43.00		29.00				19.89795918
792.00					53.00		39.00				30.54380794
793.00					43.00		30.00				17.84858011
794.00					43.00		30.00				16.88466112
795.00					57.00		39.00				23.14814815
796.00					36.00		26.00				15.45283526
797.00					37.00		24.00				13.74851367
798.00					38.00		24.00				16.07129812
799.00					38.00		24.00				16.4365549
800.00					38.50		26.00				15.04
801.00					55.00		43.00				18.30576947
802.00					14.00		11.50				16.9005102
803.00		10.00		15.00	50.80		35.50		12.76	15.08	26.35907202
804.00		12.00		15.00	50.80		35.00		15.70	16.80	24.39512899
805.00		15.00		20.00	49.50		36.00		20.85	25.03	22.80276817
806.00		10.00		18.00	53.50		36.00		13.50	19.75	24.99912468
807.00		5.00		10.00	45.70		34.00		7.62	9.87	25.6311675
808.00		12.00		18.00	49.50		32.00		19.74	25.70	21.484375
809.00		20.00		22.00	53.30		33.00		27.06	30.45	32.92375551
810.00		12.00		15.00	50.80		32.00		18.52	22.63	22.88125279
811.00		6.00		4.00	47.00		32.00		13.64	11.59	19.3132154
812.00		28.00		30.00	47.00		32.00		35.60	38.09	19.10509886
813.00		10.00		10.00	47.00		32.00		17.30	18.90	20.06243496
814.00		4.00		8.00	45.70		31.00		11.20	13.57	19.26073407
815.00		20.00		18.00	44.50		32.00		28.28	29.36	21.21789931
816.00		12.00		15.00	47.00		31.00		18.52	22.63	19.69355956
817.00		24.00		30.00	48.30		31.00		33.16	38.09	25.921522
818.00		28.00		28.00	47.00		31.00		36.82	38.09	22.25921522
819.00		18.00		18.00	55.90		37.00		26.73	27.05	24.29082161
820.00		16.00		20.00	49.50		35.40		23.05	26.39	24.84098009
821.00		18.00		26.00	53.30		44.50		31.87	40.75	26.60575114
822.00		26.00		30.00	53.30		41.00		36.28	42.32	26.2345679
823.00		12.00		10.00	55.90		43.20		17.17	15.50	24.15717197
824.00		14.00		16.00	53.30		40.00		27.46	31.35	26.25931069
825.00		16.00		20.00	55.90		38.10		25.99	31.35	24.89224498
826.00		21.00		18.00	61.00		46.00		29.67	29.79	25.11272358
827.00		16.00		18.00	49.50		34.00		23.40	26.75	22.11043044
828.00		14.00		20.00	48.30		34.30		23.40	29.36	23.2421875
829.00		18.00		32.00	50.50		35.40		29.50	39.18	23.10963905
830.00		28.00		30.00	51.00		37.10		36.82	39.18	26.70339761
831.00		22.00		24.00	49.00		34.00		30.72	33.72	23.03030303
832.00		12.00		10.00	48.00		34.30		18.52	18.90	21.93548387
833.00		18.00		14.00	50.00		31.80		25.84	25.70	23.97663191
834.00		16.00		20.00	56.00		43.20		23.40	27.69	22.78726319
835.00		12.00		18.00	56.00		38.10		20.96	26.75	23.9100346
836.00		18.00		20.00	51.00		33.00		24.62	27.69	26.68523467
837.00		14.00		18.00	53.00		33.00		27.06	31.54	24.58448753
838.00		18.00		20.00	57.00		39.40		25.84	29.36	22.85714286
839.00		20.00		20.00	51.00		34.30		28.28	30.45	18.4591667
840.00		18.00		20.00	50.50		36.00		25.84	29.36	18.40422368
841.00		20.00		22.00	55.00		36.80		28.28	31.54	22.49134948
842.00		20.00		36.00	51.00		34.50		35.60	45.74	29.45435147
843.00		28.00		36.00	52.00		35.50		40.48	45.74	30.56014692
844.00		18.00		22.00	52.00		38.10		29.50	33.72	23.3489229
845.00		12.00		14.00	61.00		44.50		18.64	20.55	25.5307713
846.00		18.00		20.00	62.20		43.00		27.46	31.35	27.90357925
847.00		18.00		22.00	55.90		41.00		30.40	36.05	25.80246914
848.00		14.00		20.00	53.30		38.10		23.05	29.79	25.95918367
849.00		20.00		30.00	55.90		41.00		31.87	42.32	24.9691358
850.00		18.00		20.00	53.30		46.00		28.93	32.92	26.45644839
851.00		16.00		28.00	55.90		38.10		28.93	40.75	26.12850413
852.00		20.00		20.00	58.40		40.00		33.34	36.05	25.81744729
853.00		20.00		26.00	58.40		44.50		36.28	43.88	28.51682642
854.00		20.00		26.00	58.40		46.00		31.87	39.18	28.54638422
855.00		22.00		28.00	53.30		46.00		40.69	48.58	27.61139518

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
856.00		18.00		20.00	53.30		40.00		28.93	32.92	26.54336574
857.00		26.00		30.00	53.30		40.00		42.16	48.58	26.94444444
858.00		20.00		20.00	55.90		44.50		30.40	32.92	25.11272358
859.00		24.00		30.00	60.90		44.50		33.34	40.75	25.79951626
860.00		30.00		36.00	62.20		43.00		43.63	51.71	28.54638422
861.00		18.00		20.00	55.90		40.00		27.46	31.35	24.53703704
862.00		18.00		26.00	53.30		38.10		30.40	39.18	24.48979592
863.00		20.00		24.00	55.90		41.00		31.87	37.62	33.50676379
864.00		16.00		20.00	53.30		46.00		25.99	31.35	25.91895846
865.00		20.00		26.00	55.90		38.10		31.87	39.18	23.55574861
866.00		16.00		20.00	58.40		40.00		25.99	31.35	24.8074738
867.00		12.00		20.00	55.90		40.00		23.05	31.35	24.11311703
868.00		18.00		20.00	54.60		38.10		27.46	31.35	22.80276817
869.00		14.00		20.00	54.60		38.10		23.05	29.79	22.0734127
870.00		18.00		26.00	57.50		43.20		28.93	37.62	22.01877777
871.00		18.00		36.00	53.30		43.70		30.40	47.01	22.56326531
872.00		30.00		36.00	53.30		40.00		46.57	54.84	24.96528216
873.00		20.00		26.00	60.90		44.50		31.87	39.18	29.56194571
874.00		22.00		28.00	49.50		35.40		34.38	39.18	23.10963905
875.00		26.00		30.00	50.80		37.10		35.60	39.18	26.70339761
876.00		20.00		30.00	50.80		35.00		34.38	41.37	23.36088154
877.00		18.00		26.00	47.00		34.00		30.72	37.00	22.89281998
878.00		20.00		26.00	49.50		34.30		35.60	40.28	23.97663191
879.00		22.00		30.00	55.90		43.20		38.04	43.55	23.55574861
880.00		22.00		26.00	55.90		38.10		35.60	39.18	25.95155709
881.00		12.00		20.00	50.80		33.00		23.40	30.45	24.27641236
882.00		20.00		30.00	49.50		33.00		38.04	44.64	17.91897507
883.00		16.00		20.00	50.80		39.40		25.84	30.45	27.55918367
884.00		20.00		26.00	49.50		34.30		31.94	37.00	20.28479857
885.00		18.00		20.00	55.90		43.20		28.28	31.54	26.59627786
886.00		18.00		20.00	49.50		33.00		27.06	30.45	20.08310249
887.00		16.00		20.00	50.80		34.00		25.84	30.45	22.54287093
888.00		18.00		18.00	49.50		33.50		27.06	29.36	18.05347073
889.00					28.00		18.50				16.81857639
890.00					25.50		16.50				15.71361059
891.00					25.50		16.50				18.26800786
892.00					27.00		15.50				17.56198347
893.00					25.00		15.50				17.82024793
894.00					27.50		17.50				22.43033877
895.00					24.50		15.50				14.56790123
896.00					24.00		15.00				15.57782676
897.00					27.00		16.50				15.59546314
898.00					19.50		13.50				15.33966399
899.00					20.00		13.50				18.38421319
900.00					23.00		14.50				16.21058894
901.00					20.00		13.50				18.44872049
902.00					16.50		9.50				17.24137931
903.00					19.50		13.50				20.27027027
904.00					16.00		9.00				19.53461649
905.00					16.00		10.50				15.62106324
906.00					14.50		8.50				15.94387755
907.00					17.50		10.50				15.12287335
908.00					18.00		11.00				19.59183673
909.00					18.00		14.50				18.97959184
910.00					17.50		10.50				16.03920695
911.00					14.00		9.00				13.88429752
912.00					17.00		10.00				20.26367188
913.00					12.50		7.50				14.4
914.00					18.00		13.00				16.06824043
915.00					14.00		9.00				15.08916324
916.00		16.00	11.00				17.80		21.58		14.5329634
917.00		22.00			49.00		31.00		31.94		22.67573696
918.00		21.00			42.50		28.00		23.79		15.97633136
919.00		20.00					38.10		23.79		19.83516296
921.00		14.00			45.00				23.40		17.35766713
922.00		10.00			41.50		31.00		16.08		16.46090535
923.00		18.00			42.00		24.50		20.96		14.34802571
924.00		10.00			38.00		27.00		17.30		13.56775397
925.00		15.00					28.00		18.64		16.65972511
926.00		24.00	87.00	32.00	50.80		32.00		31.94	38.09	10.81665765
927.00		2.00	75.00	4.00	50.80		41.00		8.76	7.31	20.30741221

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
928.00		20.00	76.00	24.00	48.00		35.00		28.93	34.49	23.71960925
929.00		12.00	49.00		20.00		13.00		16.08		19.05197378
930.00		10.00	53.00		20.30		12.00		17.30		19.05197378
931.00		8.00	83.00	10.00	53.00		36.00		12.42	13.57	20.0146092
932.00		30.00	85.00	30.00	55.90		37.00		37.75	40.75	29.31985649
933.00		18.00	75.00	20.00	50.80		38.10		20.11	24.21	20.30741221
934.00		18.00	78.10	18.00	50.80		38.10		21.58	22.11	21.3577956
935.00		20.00	99.00	30.00	50.80		38.00		45.10	56.41	
936.00		10.00	84.00	10.00	53.00		38.10		15.70	17.60	20.60378035
937.00		6.00	71.00	10.00	48.00		33.00		13.64	17.23	20.3125
938.00		8.00	61.00	4.00	39.00		27.50		14.86	11.59	15.9122085
939.00		10.00	71.00	10.00	33.80		23.00		14.23	17.49	16.3160655
940.00		6.00	56.00	10.00	30.50		20.00		12.03	18.40	18.51695985
941.00		10.00	60.00	10.00	30.00		22.00		14.23	17.49	19.21565202
942.00		15.00	36.00	8.00	15.00		15.00		17.91	15.61	18.06343205
943.00		11.00	35.00	11.00			12.00		17.17	21.05	17.15304077
944.00		10.00	53.00	10.00	21.00		15.50		18.52	20.47	16.71875
945.00		12.00	47.00	6.00	22.50		15.50		15.70	13.67	17.37540009
946.00		8.00	52.00	8.00	23.50		14.00		14.86	15.45	19.21745152
947.00		8.00	54.00	8.00	21.50		14.00		13.64	13.57	22.27508651
948.00		9.00	45.00	8.00	23.00				16.08	16.35	16.05536332
949.00		9.00	49.00	7.00	24.00		16.00		14.23	15.61	16.41206918
950.00		8.00	54.00	8.00	29.50		17.50		16.08	17.23	16.34735527
951.00		10.00	48.00	8.00	24.00		16.50		16.08	15.45	16.15646259
952.00		7.00	50.00	7.00	27.00				12.76	15.61	15.78083575
953.00			58.00	8.00	24.00		18.00			15.45	16.97600724
954.00		10.00	52.00	2.00	28.00		19.00		14.23	9.60	13.8683432
955.00		6.00	57.00	6.00	30.00		21.50		13.64	13.57	18.01195186
956.00		8.00	50.00	2.00	30.50		21.00		14.86	9.50	14.84845838
957.00		5.00	57.00	8.00	27.00		22.90		10.56	15.61	17.28920118
958.00		10.00	53.50	4.00	34.50		21.00		17.30	13.57	14.00177583
959.00		8.00	49.50	4.00	33.50		23.00		12.03	10.64	13.41713156
960.00		7.00	58.00	9.00	34.00		22.50		15.47	18.08	15.67377732
961.00		6.00	60.00	3.00	39.00		25.00		9.82	8.54	15.50440544
962.00		8.00	55.00	4.00	35.00		24.00		12.76	11.67	14.48230275
963.00		10.00	71.00	10.00	36.00				18.52	20.47	17.92
964.00		12.00	72.00	14.00	42.00		23.00		16.64	24.35	16.06659729
965.00		10.00	60.00	10.00	39.00		22.00		17.30	18.90	17.28
966.00		8.00	62.00	10.00	39.00		21.00		14.23	19.30	17.08984375
967.00		8.00	73.00	16.00	43.00		24.00		20.96	27.69	24.32958478
968.00		10.00	60.00	10.00	43.00		23.50		16.08	17.23	14.69840014
969.00		15.00	73.00	16.00	44.00		24.50		24.52	29.52	20.6227051
970.00		15.00	72.00	12.00	43.00		25.00		20.85	22.73	17.55829904
971.00		15.00	66.00	16.00	45.00		26.00		20.85	25.91	18.93004115
972.00		12.00	65.00	12.00	47.50		29.00		19.74	21.93	17.60474825
973.00		14.00	57.00	16.00	46.00		25.00		19.74	23.29	16.36580044
974.00		8.00	66.00	12.00	45.00		25.00		16.08	20.47	19.1805637
975.00		7.00	66.00	10.00	46.00		27.00		12.03	17.49	16.36580044
976.00		10.00	63.00	12.00	49.00		28.00		15.70	21.05	17.12247325
977.00		15.00	72.00	14.00	49.00		27.00		22.79	24.55	21.45726808
978.00		12.00	63.00	10.00	48.00		27.50		14.97	16.56	16.43535427
979.00		10.00	58.00	12.00	40.00		25.50		16.08	18.90	14.26611797
980.00		8.00	56.00	10.00	39.50		23.50		14.86	17.23	14.95837669
981.00		15.00	93.00	15.00	49.00		34.00		27.46	29.79	28.96669236
982.00		15.00	80.00	10.00	51.50		30.50		21.57	20.47	23.53036634
983.00		12.00	74.00	9.00	49.50		29.00		21.58	21.85	20.45184304
984.00		21.00	97.00	17.00	51.50		32.00		28.28	27.69	27.54820937
985.00		12.00	81.00	10.00	51.00		32.00		24.62	25.70	23.87511478
986.00		6.00	69.00	6.00	49.00		32.00		10.56	10.98	16.89623508
987.00		11.00	78.00	10.00	51.00		34.00		20.35	21.93	19.87144169
988.00		6.00	90.00		58.00		34.00		17.30		
989.00		12.00	76.00	8.00	53.00		31.00		19.74	18.90	19.37919743
990.00		15.00	93.00	15.00	49.00		34.00		27.46	29.79	28.44095498
991.00		6.00	92.00		58.00		34.00		17.30		26.47210744
992.00		14.00	78.00	12.00	54.00		33.00		20.35	21.21	21.21831719
993.00		22.00	99.00	11.00	61.00		32.00		31.87	26.42	27.6816609
994.00		10.00	63.00	5.00	47.00		29.00		17.30	14.53	19.02497027
995.00		10.00	65.00	5.00	52.00		29.00		16.08	12.59	18.59012493
996.00		11.00	77.00	12.00	51.00		32.00		17.91	20.47	20.82999519
997.00		12.00	66.00	16.00	53.00		31.00		20.35	25.14	20.70081674
998.00		11.00	78.00	10.00	51.00		34.00		20.35	21.93	19.59645812

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
999.00		22.00	99.00	11.00	61.00		32.00		31.87	26.42	2.840054796
1000.00		15.00	78.00	12.00	52.00		33.00		23.40	23.93	19.77790681
1001.00		20.00	99.00	21.00	56.00		36.00		31.87	35.27	33.34648069
1002.00		10.00	77.00	12.00	54.00		30.50		17.17	21.03	21.01977107
1003.00		18.00	76.20	12.00	48.00		33.00		20.11	17.60	19.78997095
1004.00		20.00	75.00	16.00	45.00		32.00		24.62	24.55	21.75546853
1005.00		28.00	82.00	34.00	46.00		32.00		40.48	44.64	26.48553975
1006.00		28.00	75.00	30.00	48.00		38.00		28.93	32.92	16.90617075
1007.00		20.00	99.00	25.00	46.00		34.00		37.75	44.67	32.87197232
1008.00		20.00			55.90		40.00		30.40		24.22839506
1009.00		12.00	30.00	5.00	44.50	22.25	29.50	66.00	16.69	11.59	18.34302871
1010.00		18.00	37.00	14.00	49.00	29.00	33.00	86.00	27.06	26.75	23.82464097
1011.00		12.00	21.50	8.00	29.50	20.00	20.50	55.00	17.17	17.49	17.69336904
1012.00		25.00	40.00		48.00	34.00	32.50	98.00	33.77		28.9824263
1013.00		8.00	32.00	11.00	50.00	23.00	35.50	83.00	16.08	19.70	18.93909195
1014.00		8.00	57.50	7.00	35.50	20.50	24.00	61.00	17.91	18.90	17.30824476
1015.00		12.00	25.50	6.00	33.00	20.50	23.50	58.00	18.52	15.45	15.25127654
1016.00		14.00	22.50	5.00	25.00	17.00	17.00	51.00	19.74	14.53	16.41014033
1017.00		20.00	36.00	13.00	48.00	30.00	32.00	86.00	26.45	24.55	22.64170288
1018.00		18.00	39.00	10.00	52.00	28.50	38.00	78.00	29.50	26.75	22.94168354
1019.00		15.00	33.00	8.00	51.50	27.50	34.00	78.00	21.57	18.90	20.76124567
1020.00		12.00	35.00	10.00	54.00	32.00	35.00	86.00	18.64	17.25	23.10745324
1021.00		15.00	34.00		58.00	34.50	38.00	89.00	18.64		23.14395654
1022.00		18.00	38.00	15.00	51.00	33.00	33.00				27.54820937
1023.00		15.00	39.00	14.00	51.50	33.50	34.00	89.00	20.11	19.75	24.67704421
1024.00		9.00	30.00		45.50	22.00	30.50	68.00	13.50		17.98126951
1025.00			41.50	15.00	55.50	33.00	34.80	102.00		26.02	26.70132325
1026.00			41.00	18.00	51.00	28.00	34.50	103.00		25.70	26.41632653
1027.00		12.00	33.00	6.00	49.00	25.00	33.50	72.00	21.57	19.70	20.4296875
1028.00		20.00	34.00	12.00	51.00	24.00	30.00	74.00	27.67	25.14	17.35269743
1029.00		14.00	39.00	13.00	53.00	28.00	34.00	92.00	21.57	23.29	21.13676516
1030.00		23.00	44.50	28.00	50.00	38.00	32.50	98.00	31.33	35.91	
1031.00		25.00	33.00	23.00	46.50	33.00	31.00	88.00	33.77	34.27	29.63304211
1032.00		30.00	45.00	12.00	56.00	33.00	34.00	99.00			15.10393259
1033.00		15.00	31.00		50.00	26.00	32.00	85.00	17.91		18.4569441
1034.00		25.00	43.00	20.00	56.50	33.50	33.00	100.50			28.54761265
1035.00		20.00	28.00		50.50	24.00	30.50	68.00	23.05		15.59914201
1036.00		10.00	38.00		59.00	26.00	38.00	80.00			20.59755545
1037.00		6.00	35.50		49.00	27.00	32.50	74.50			20.71625344
1038.00		7.00	37.00	8.00	56.50	26.00	37.50	79.50			19.85025101
1039.00		7.00	40.20	10.00	57.50	29.00	37.50	91.00	12.03	13.99	23.56489773
1040.00		6.00	31.50	7.00	52.00	29.00	32.00	74.00			20.37037037
1041.00		10.00	35.00	7.00	49.50	27.00	35.00	75.50			16.72136713
1042.00		10.00	23.50	5.00	30.50	17.00	19.00	51.00	16.08	12.59	16.29193519
1043.00		10.00	23.50	8.00	26.00	18.00	17.00	53.50	18.52	18.90	16.65972511
1044.00		16.00	21.00	8.00	24.00	17.50	17.50	55.00	24.62	21.93	16.76494392
1045.00		13.00	20.00	6.00	23.50	16.50	15.50	48.00	19.13	15.45	15.88326446
1046.00		8.00			24.50	16.00	18.00	52.00	12.76		14.75694444
1047.00		10.00	21.00	5.00	21.00	15.00	17.00	49.00	18.52	16.35	17.1695493
1048.00		13.00	20.00	7.00	24.00	18.00	13.00	52.00	20.96	18.90	16.54812019
1049.00		14.00	23.00	5.00	24.50	17.50	14.00	53.00	20.96	16.35	16.97824662
1050.00		14.00	21.00	8.00	22.00	16.50	15.00	50.00	20.96	18.90	17.56198347
1051.00		15.00	32.00		44.00	22.00	26.00	75.00	20.85		18.28672828
1052.00		12.00	21.00		26.00	18.00	16.00	52.00	18.64		16.00383297
1053.00		12.00	28.00		43.00	20.00	24.00	60.00	17.17		16.70750724
1054.00		15.00	21.00		27.00	18.00	13.00	59.00	20.35		17.36111111
1055.00		12.00	18.00	7.00	20.00	17.00	14.00	51.00	20.11	20.18	18.63490494
1056.00		12.00	20.00		19.00	16.00	12.00	49.00	21.58		18.97959184
1057.00		14.00	22.00		20.00	17.00	11.00	44.00			18.57142857
1058.00		12.00	22.00		29.50	17.00	13.00	56.00	17.17		16.95315891
1059.00		6.00	18.00		23.50	15.00	16.00	54.00	12.42		14.19686317
1060.00		14.00	25.00		36.00	20.00	24.00	57.00	22.18		18.1611042
1061.00		12.00	26.00		35.00	19.00	24.00	56.00	19.74		18.28147433
1062.00			14.00	7.00	18.00	14.00	12.00	50.00		13.15	19.64497041
1063.00			15.00	6.00	20.00	15.00	13.00	52.00		13.67	20.94007574
1064.00		8.00	22.00		27.00	17.50	19.00	58.00	12.76		21.50294251
1065.00		6.00	13.00		14.00	12.00	10.00	46.00	9.82		13.48752111
1066.00		8.00	12.00		13.00	12.00	9.00	46.00	11.29		13.71173469
1067.00		16.00	36.00	13.00	46.00	22.00	34.00	80.00	23.40	23.93	19.46998378
1068.00			36.00		48.50	28.00	33.00	83.00			20.51913409
1069.00		10.00	30.00	8.00	46.00	30.00	28.00		18.52	18.90	21.90976985

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1070.00		14.00	38.00		57.00	24.00	38.00	79.00	23.05		22.22222222
1071.00		14.00	40.00		60.00	25.00	40.00	85.00	24.52		22.03840116
1072.00		16.00	35.00	11.00	52.00	25.00	36.00	72.50	25.23	24.55	23.33546614
1073.00		8.00	38.00		63.00			86.00			21.73353542
1074.00			27.00	20.00	48.00		35.00	63.00			
1075.00		6.00	18.00	5.00		17.00		43.00	11.81	9.50	15.88576771
1076.00		7.00	23.00		36.00	22.00	23.00	53.00	14.25		16.94795565
1077.00		8.00	21.00	5.00	24.50	17.00	16.00	48.50	12.76	12.68	17.62538055
1078.00		10.00	22.00	8.00	33.00	23.00	20.00	54.00	16.08	15.45	15.94387755
1079.00		14.00	35.50	13.00	53.00	29.00	36.00	74.00	22.18	23.93	22.01584854
1080.00		24.00	40.00	8.00	54.00	29.50	29.00	84.00	31.94	24.55	22.19323145
1081.00		21.00	39.00	12.00	53.50	28.00	28.50	79.50	29.50	26.24	22.03856749
1082.00		16.00	33.00	14.00	51.00	26.00	28.00	74.00	25.84	26.75	19.85431842
1083.00		17.00	37.00	10.00	52.00	27.50	27.00	77.50	27.06	25.14	19.53125
1084.00		22.00	33.00	17.00	63.00	30.00	41.00	83.00	31.33	30.45	22.20408163
1085.00		14.00	40.00		60.00	35.00	37.00	88.00	21.58		25.30864198
1086.00		15.00	39.00	14.00	52.00	34.00	35.00	87.00	20.85	20.55	24.81632653
1087.00		34.00	41.00		64.00	36.00	40.00	85.00			23.54788069
1088.00		26.00	45.00	24.00	53.00	38.00	41.00	70.00	31.94	32.63	25.62250022
1089.00		21.00	46.00	20.00	53.00	41.00	34.00	72.00			22.14290143
1090.00			39.00		51.00	35.00	31.00	67.00			20.19557823
1091.00		15.00	32.00	13.00	49.50	36.00	33.50	66.00	26.45	27.23	22.20633069
1092.00		8.00	37.00		56.50	37.00	36.00	74.00			23.51020408
1093.00		16.00	38.00		55.00	37.00	40.00	90.00	27.46		24.69135802
1094.00		18.00	40.00	10.00	54.00	40.00	45.00	92.00	28.93	23.60	26.8744961
1095.00		16.00	37.00	14.00	55.00	36.00	38.00	82.00	25.99	25.03	24.11150746
1096.00		18.00	35.00	8.00	50.00	30.00	33.50	68.00	25.23	21.21	20.5126275
1097.00		14.00	39.00	10.00	63.00	37.00	40.00	84.00	23.05	19.25	21.73353542
1098.00		20.00	35.00	6.00	53.00	28.00	35.00	77.00	28.28	21.93	22.12887117
1099.00		23.00	34.00	20.00	50.50	35.00	34.00	67.00	33.16	33.18	22.86236854
1100.00		18.00	36.00	16.00	55.00	29.00	31.00	79.00	28.89	29.90	21.10726644
1101.00		14.00	39.00	7.00	51.00	26.00	28.00	27.00	24.01	21.93	19.47970864
1102.00		17.00	35.50	12.00	53.80	28.00	28.50	80.00	27.67	26.75	20.86317723
1103.00		23.00	41.00	22.00	53.00	35.00	30.00	94.50			
1104.00		25.00	35.00	6.00	49.50	28.00		74.00	29.50	19.70	
1105.00		8.00	20.00	5.00		18.00	15.20	30.50	14.86	12.59	16.75851931
1106.00		12.00	19.00		22.00	16.00	15.00	55.00	17.17		16.18379357
1107.00		6.00	35.50	10.00	52.00	30.50	33.00	81.50			24.45264781
1108.00		12.00	22.50	8.00	28.00	19.50	20.00	58.00	18.64	19.30	
1109.00		12.00	36.50	10.00	50.00	30.00	31.00	81.50			21.57351253
1110.00		12.00	36.50		57.00	26.00	37.00	73.00	17.17		21.36009706
1111.00		16.00	36.50		57.00	24.00	28.00	75.00	17.17		
1112.00		10.00	37.00		51.00	29.50	32.00	82.00	14.23		18.7898335
1113.00		10.00	35.00		52.50	28.00	35.50	82.00	17.17		19.01065243
1114.00		10.00	34.00	10.00	43.00	28.00	32.00	89.00	18.52	20.47	22.265625
1115.00		12.00	32.50		52.50	25.00	33.00	71.00	17.17		18.44072597
1116.00		8.00	35.00		48.00	26.00	34.00	75.00			19.84121491
1117.00		8.00	38.00	10.00	46.50	30.00	34.50	81.00	14.23	15.50	23.31428571
1118.00		5.00	38.00	7.00	53.00	28.50	35.00	79.00			21.76771366
1119.00		10.00	38.00	14.00	50.00	33.00	33.00	91.00	18.64	22.11	23.30237191
1120.00			37.00	12.00	45.00	26.00	33.00	80.00		17.25	21.64454343
1121.00		18.00	35.50	14.00	49.00	28.00	31.00	80.00	25.84	25.70	20.04744562
1122.00		10.00	32.00		44.00	23.00	31.50	69.00			17.70128402
1123.00			34.00	8.00	45.50	25.50	33.00	77.00		15.79	21.18209625
1124.00			40.00	16.00	36.50	31.50	30.00	85.00		24.21	27.18466975
1125.00		12.00	33.00	10.00	48.50	26.00	31.50	69.00	22.18	23.29	18.06972789
1126.00			38.00	14.00	44.50	34.00	34.00	97.00		22.65	25.26593532
1127.00		8.00	34.50		51.00	25.00	31.50	69.00			20.8379115
1128.00		8.00	33.50	8.00	48.50	22.00	32.00	70.00			19.0035883
1129.00		10.00	72.00		48.00	25.00	35.00	74.00			18.15979963
1130.00		10.00	37.00	14.00	45.50	25.50	30.00	77.00	18.52	23.29	22.01584854
1131.00		18.00	33.00	16.00	44.50	26.00	33.00	83.00	27.06	27.69	20.71625344
1132.00		10.00	32.00	12.00	46.00	24.00	31.00	72.00	16.08	18.90	17.36044134
1133.00		12.00	32.00	10.00	42.00	24.00	29.00	72.00	18.52	18.90	18.25631871
1134.00		20.00	34.50	20.00	44.00	24.50	30.00	77.00	29.50	31.54	21.484375
1135.00		14.00	35.50	10.00	38.50	25.00	30.00	77.00	20.96	20.47	19.8791026
1136.00		16.00	32.00	10.00	42.50	21.00	32.00	71.00	22.18	20.47	
1137.00		12.00	32.00	10.00	46.00	25.00	33.00	67.00	23.40	24.55	17.3518546
1138.00		8.00	35.00	12.00	45.00	25.50	32.00	84.00	17.30	21.93	20.14674556
1139.00		16.00	34.00	12.00	43.50	26.00	28.00	75.00	24.62	24.55	20.51902242
1140.00		12.00	32.00	14.00	44.50	29.00	31.00	80.00	23.40	26.75	19.60715661

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAPE	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1141.00		10.00	40.00	24.00	42.50	27.00	35.00	98.00	20.96	31.54	
1142.00		12.00	32.00	12.00	41.00	27.00	32.00	66.00	22.18	24.55	18.93491124
1143.00		18.00	31.50	14.00	38.00	22.00	30.00	66.00	25.84	25.70	18.69806094
1144.00		4.00	21.00		30.50	19.50	21.00	56.50	12.42		18.86094675
1145.00		7.00	21.00	6.00	26.00	16.50	16.50	50.00	14.25	13.57	16.79012346
1146.00			21.50	5.00	21.00	16.00	22.00	50.00		14.65	13.63168724
1147.00		11.00	22.50	9.00	26.00	18.00	18.00	55.00	20.35	21.21	15.58670719
1148.00		9.00	21.50		25.50	15.00	17.50	47.00	12.76		15.4335218
1149.00		10.00	22.50	8.00	28.00	18.50	16.50	54.00	14.97	16.56	15.45857291
1150.00			22.00	5.00	25.00	17.50	18.50	54.00		15.61	18.42982091
1151.00		9.00	23.00	9.00	27.00	17.00	17.00	53.00	15.47	16.35	17.3
1152.00		8.00	25.00	5.00	31.50	17.50	19.30	61.00	14.86	12.59	17.25443986
1153.00		11.00	22.00	5.00	29.00	17.50	19.50	51.50	19.13	16.35	16.30690923
1154.00		10.00	22.00		26.50	16.00	16.00	55.00	15.70		15.58670719
1155.00		8.00	22.00	5.00	22.50	19.00	15.50	54.00	14.86	12.59	17.67453604
1156.00		12.00	23.00		25.50	18.00	17.50	51.00			15.09787589
1157.00		10.00	19.00		23.00	18.00	16.50	52.00	16.69		18.72417355
1158.00		9.00	22.00		26.50	15.00	18.00	48.00	12.76		15.09655916
1159.00		10.00	21.00		27.00	15.00	15.50	50.00	14.97		15.09787589
1160.00		11.00	23.50	8.00	28.00	17.50	20.00	58.00	19.13	18.90	17.57544582
1161.00			23.00	5.00	26.50	19.00	20.00	55.00		14.65	18.95340237
1162.00		12.00	23.00		28.50	17.50	17.00	53.00	17.17		17.32426304
1163.00		18.00	37.50	17.00	56.50	29.00	31.50	88.00	30.72	32.09	22.39709991
1164.00		10.00	35.50	8.00	54.00	25.50	32.00	69.00	17.91	18.08	22.4
1165.00		12.00	34.00	16.00	52.00	24.00	33.00	70.00	20.96	25.70	17.20111097
1166.00		18.00	35.50	14.00	48.00	24.00	32.50	70.00	29.50	29.36	21.6796875
1167.00		22.00	34.00	10.00	48.00	24.00	33.00	75.00	33.16	27.69	21.8359375
1168.00		18.00	36.50	16.00	49.50	28.50	31.50	72.00	29.50	30.45	21.70798898
1169.00		12.00	33.00	20.00	49.00	25.00	32.50	68.50	22.18	29.36	20.29822485
1170.00		15.00	33.50	13.00	56.00	25.50	31.50	75.00	26.45	27.23	19.42857143
1171.00		8.00	34.50	10.00	47.00	26.00	33.00	78.00	17.30	20.47	
1172.00		14.00	38.50	12.00	50.00	24.50	32.50	75.00	22.79	23.93	20.11715561
1173.00		12.00	34.00	10.00	45.00	23.00	29.00	69.00	20.96	21.93	21.36009706
1174.00		12.00	36.00	8.00	42.50	24.00	31.00	75.00	20.96	20.47	20.61367477
1175.00		14.00	36.00	12.00	50.00	29.00	26.50	74.00	22.18	23.29	22.51810059
1176.00		16.00	37.00	12.00	51.00	28.00	34.50	78.00	23.40	23.29	22.32130143
1177.00		10.00	41.00		57.00	32.00	34.00	87.00	17.17		24.45545094
1178.00		14.00	42.00		57.00	30.50	37.00	82.00	20.11		24.51243423
1179.00		6.00	40.00	5.00	55.00	29.00	35.00	85.00			24.18360889
1180.00		7.00	44.00	10.00	54.00	33.50	36.00	102.00			28.97490852
1181.00		12.00	42.00		56.00	33.00	34.00	87.00	20.85		24.45208972
1182.00		7.00	40.00	8.00	51.00	33.00	32.00	90.00			26.3658134
1183.00		12.00	37.50		54.50	28.00	34.50	92.00	14.97		22.00140438
1184.00		10.00	41.00	10.00	42.50	31.50	34.00	85.00	14.97	14.60	25.91760214
1185.00			40.00	10.00	54.00	33.00	35.00	96.50			26.84061047
1186.00			39.50	14.00	53.00	30.50	36.00	94.00		20.55	25.06790403
1187.00		14.00	31.50	14.00	44.50	21.00	28.00	66.00	20.96	23.29	20.51902242
1188.00			36.50	12.00	54.50	28.50	35.00	79.50		16.38	19.9574319
1189.00		14.00	31.00	14.00	45.00	21.50	29.00	65.00	19.74	21.93	18.4408838
1190.00		13.00	35.00	10.00	43.00	23.50	30.00	74.00	21.57	21.93	21.14320036
1191.00		14.00	37.00	12.00	43.00	24.00	32.00	72.00	23.40	24.55	21.49826785
1192.00		20.00	35.00	16.00	53.50	25.00	32.00	72.00	28.28	27.69	23.75521842
1193.00		7.00	51.00	8.00	55.00	31.50	33.50	77.00			22.99698477
1194.00		8.00	40.50	10.00	53.50	31.00	33.50	83.00			22.99698477
1195.00			40.00	15.00	52.00	36.50	32.00	88.00		20.04	25.87048332
1196.00		8.00	39.00	9.00	51.50	29.50	34.50	81.00			25.14800948
1197.00		13.00	41.50	12.00	50.50	29.50	31.00	89.50	19.38	18.93	23.76641014
1198.00			37.50	12.00	55.50	30.50	34.00	82.00		16.38	21.46193662
1199.00		8.00	37.00	9.00	52.00	31.00	34.00	77.00			21.60493827
1200.00			22.00	5.00	25.50	19.00	15.00	58.00		16.90	15.67827324
1201.00			19.00	4.00	16.00	15.00	14.00	49.00		11.67	
1202.00			20.00	2.00	24.00	17.00	16.00	63.00		12.17	17.10300329
1203.00			18.00	4.00	16.00	16.00	13.00	50.00		11.67	17.04650518
1204.00		10.00	20.00	6.00	22.00	16.00	17.00	51.00	15.70	15.61	17.14110805
1205.00		20.00	42.00	10.00	51.00	30.00	36.00	75.00	29.50	25.70	23.0400202
1206.00		18.00	37.00	13.00	55.00	30.50	35.00	76.00	27.06	26.24	21.2244898
1207.00		16.00	35.50	11.00	52.00	26.00	33.50	75.00	24.01	23.29	21.98994873
1208.00		18.00	38.00	13.00	55.50	32.00	37.00	78.00	26.45	25.70	22.91303307
1209.00		18.00	36.50	15.00	54.00	27.00	33.00	76.00	27.67	27.69	19.50235762
1210.00		18.00	36.00	13.00	53.00	28.50	36.00	73.50	27.67	26.75	21.51385851
1211.00		21.00	37.50	14.00	52.50	30.00	35.00	76.00	30.11	27.69	21.54051168

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1212.00		23.00	38.50	11.00	51.50	28.00	37.00	75.00	32.55	27.23	21.61281179
1213.00		16.00	39.00	13.00	54.00	27.00	37.50	72.00	25.84	26.24	20.63943506
1214.00		16.00	37.00	10.00	53.50	29.00	34.00	77.00	25.23	23.93	21.06674327
1215.00			15.00	5.00	16.50	13.00	12.00	44.00		14.65	16.47949219
1216.00			13.50	8.00	14.50	14.00		50.00		17.49	14.44024365
1217.00			13.00	6.00	15.00	13.00	13.00	50.00		14.11	14.3636886
1218.00		13.00	18.00	9.00	21.00	13.00	16.00	53.00	19.13	18.08	18.29268293
1219.00		12.00	14.00	8.00	14.00	10.00	10.00	48.00	18.52	17.23	20.21403092
1220.00			16.00	4.50	17.00	12.00	11.00	53.00		12.66	17.6366843
1221.00			15.00	6.00	15.00	12.00	10.50	46.00		14.11	16.66666667
1222.00		11.00	14.00	5.00	15.00	14.00	13.00	48.00	16.69	12.59	14.3494898
1223.00		10.00	14.00	5.00	14.00	12.00	12.00	47.00	16.08	12.59	14.72878004
1224.00		25.00	42.00	14.00	61.00	35.00	38.00	89.00			21.18334551
1225.00		23.00	39.00		58.00	33.00	37.00	88.00	32.61		22.5308642
1226.00		18.00	41.00		59.00	33.00	38.00	83.00	27.46		22.15910864
1227.00		20.00	40.00		56.00	34.00	39.00	85.00	31.14		22.72440348
1228.00		16.00	39.00		59.00	35.00	39.00	86.00	25.99		22.03840116
1229.00		14.00	36.00	10.00	44.00	28.00	32.00	71.00	20.96	20.47	22.93511395
1230.00		11.00	34.00	13.00	43.00	24.00	29.00	69.00	17.91	21.21	21.02995301
1231.00		16.00	35.00	12.00	46.00	26.00	31.00	74.00	23.40	23.29	21.1552942
1232.00		17.00	38.00	12.00	57.00	29.50	35.50	75.00	25.84	25.14	22.86253448
1233.00		15.00	36.50	9.00	54.00	26.50	32.50	74.00	22.79	21.21	21.34066017
1234.00		15.00	40.00	12.00	54.00	30.00	36.00	77.00	24.01	24.55	20.74755019
1235.00		12.00	36.00	9.00	51.50	24.00	33.00	70.00	20.35	20.47	20.44970414
1236.00		20.00			54.00	35.00	37.00	86.00	24.52		23.7654321
1237.00		18.00	42.00		57.00	82.00	38.00		24.52		22.83950617
1238.00		15.00	35.00	10.00	52.50	25.50	32.00	70.00	23.40	22.63	20.78375967
1239.00		18.00	36.00	14.00	50.50	26.00		74.00	27.06	26.75	20.68747281
1240.00		21.00	35.50	12.00	53.00	23.00		71.00	30.11	26.75	20.88900598
1241.00		16.00	39.00	14.00	54.00	40.00	39.00	86.00			21.91358025
1242.00		12.00	37.00	14.00	54.00	24.00		73.00	23.40	26.75	20.94728625
1243.00		15.00	36.50	15.00	54.50	25.00		73.50	24.52	25.03	21.68170017
1244.00		20.00	40.00		56.00	35.00	40.00	84.00	28.93		22.85714286
1245.00		20.00	37.00	15.00	54.00	27.00		77.00	30.11	29.36	20.12639375
1246.00		19.00	35.00	18.00	52.50	26.50		77.00	30.11	31.54	22.69395388
1247.00		26.00	48.00	14.00	55.00	37.00	38.00	83.00			22.22222222
1248.00		21.00	40.00	10.00	49.00	32.00	38.00	76.00	29.50	25.14	23.10075188
1249.00		24.00	41.00	12.00	52.00	31.00	37.00	75.00	33.16	27.69	22.83737024
1250.00		22.00	34.00	18.00	52.50	27.50		74.00	32.55	32.09	22.60077585
1251.00		24.00	34.50	20.00	54.00	28.00		76.00	33.16	32.63	22.20633069
1252.00		23.00	38.00	11.00	52.50	29.00	35.50	75.00	31.33	26.24	24.14058673
1253.00		22.00	39.00	9.00	50.00	29.00	35.00	72.00	29.50	23.93	23.79960731
1254.00		7.00	24.00	7.00	27.00	19.00	21.00	57.00	14.23	17.49	17.76859504
1255.00		12.00	25.50	9.00	30.00	22.00	20.00	60.00	21.57	21.93	17.00523238
1256.00		10.00	22.00		32.00	18.00	21.50	54.00	17.17		13.14924392
1257.00		9.00	24.00	6.00	32.00	19.00	19.50	60.00	14.23	14.65	
1258.00			22.00	4.00	27.50	18.00	18.00	53.00		14.65	17.64532889
1259.00		20.00	26.00	12.00	31.50	23.50	21.00	69.00	28.89	26.24	18.57796599
1260.00		9.00	23.00	5.00	27.50	18.50	18.50	53.00	16.44	16.56	16.21264964
1261.00		8.00	23.00	5.00	29.00	18.00	19.50	55.00	14.23	14.65	16.22459598
1262.00		8.00	23.00	4.00	28.50	17.00	18.00	5.50	15.47	12.59	
1263.00		12.00	24.00	6.00	26.00	20.00	16.00	55.00	20.96	18.90	20.55164954
1263.00		7.00	20.00	4.00	27.00	16.00	18.00	53.00	14.25	11.59	16.16120805
1264.00		8.00	20.50		23.50	16.50	15.00	54.00	12.76		19.13580247
1265.00		10.00	22.00	5.00	24.50	17.00	18.50	56.00	16.44	15.61	16.36464497
1266.00		14.00	25.00	8.00	27.00	18.50	18.00	58.00	22.79	21.21	17.7999288
1267.00		15.00	25.00	6.00	26.50	20.00	19.00	61.00	19.38	15.61	25.82644628
1268.00		10.00	22.50		27.50	17.50	18.50	53.00	17.17		21.73650525
1269.00		12.00	25.00	5.00	27.00	18.50	20.00	58.00	15.70	12.68	20.58621704
1270.00		12.00	22.00		26.00	16.00	19.00	50.00	19.74		16.5231394
1271.00		18.00	30.50	8.00	33.00	25.00	23.50	73.00			23.39877057
1272.00		8.00	22.00		28.50	18.00	18.00	49.00	13.50		22.69887547
1273.00		11.00	24.00	7.00	27.50	19.00	19.00	55.00	16.44	16.56	19.78550296
1274.00			49.00	19.00	57.00	33.00	42.00	85.00		26.39	25.88057064
1275.00			51.00	20.00	59.00	34.00	45.00	92.00		29.79	25.11272358
1276.00		24.00	38.00	18.00	48.00	31.00	34.00	75.00	33.16	31.54	22.72043837
1277.00		21.00	36.00	15.00	46.00	32.00	33.00	76.00	31.94	30.45	22.49134948
1278.00		16.00	37.00	14.00	48.00		33.00	78.00	24.01	25.14	22.14532872
1279.00		15.00	18.00		50.00	24.00	29.00	82.00	26.45		20.86111966
1280.00		11.00	36.50	11.00	46.50	33.50	35.00	93.00	22.32	22.86	25.57753654
1281.00			36.50	11.00	46.00	32.00	35.00	95.00			23.79470349

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1282.00		13.00	43.00	21.00	49.00	34.00	31.00	100.00	23.79	32.14	29.48169162
1283.00			39.50	11.00	53.00	33.00	32.00	86.00		16.38	25.16296713
1284.00		12.00	38.50	11.00	49.00	32.00	35.50	88.00	17.17	16.38	25.14019169
1285.00			41.00	18.00	46.50	33.00	33.50	88.00		22.11	26.57799951
1286.00		12.00	38.50	10.00	50.00	30.00	37.00	91.00	23.05	22.11	23.10745324
1287.00			41.50	21.00	56.00	35.00	41.00	111.00		27.05	
1288.00		16.00	48.00		47.50	38.50	37.00	110.50			
1289.00		15.00	40.00	14.00	43.00	36.00	30.00	91.00	26.73	26.39	25.8813176
1290.00		10.00	36.50	10.00	49.00	36.00	38.00	84.00	21.58	22.11	22.63467632
1291.00			41.00	18.00	48.00	37.00	35.00	88.00		29.79	25.13589091
1292.00		14.00	35.50		50.00	30.50	36.00	77.00	20.11		23.02040816
1293.00		18.00	41.00	14.00	51.00	34.00	35.00	91.00	24.52	22.11	26.36939792
1294.00		20.00	39.50		54.00	34.00	37.00	86.00	25.99		25.06790403
1295.00			38.00	16.00	49.00	34.50	35.00	87.50		29.79	24.45545094
1296.00		8.00	11.00		47.00	31.00	36.00	81.50			21.44756785
1297.00		11.00	38.00	10.00	44.00	29.50	32.00	81.00	19.38	18.93	21.85849933
1298.00		11.00	38.00	10.00	43.00	33.00	34.50	82.00	15.70	14.60	24.92011324
1299.00		9.00	36.00	10.00	51.00	32.00	34.00	82.00	15.70	16.38	22.4382716
1300.00		8.00	37.00	9.00	47.00	27.00	31.00	79.00	14.97	15.50	22.09534258
1301.00		12.00	41.00	12.00	51.00	34.00	32.50	88.00	19.38	19.75	25.92592593
1302.00		11.00	43.00		48.00	34.00	39.50	100.00			26.73855496
1303.00		8.00	38.00	9.00	52.00	32.50	35.00	80.00	14.97	15.50	23.65759423
1304.00		10.00	41.00	12.00	47.00	37.50	36.00	90.00	17.17	18.93	25.77592517
1305.00		13.00	41.00	14.00	52.50	41.00	36.00	96.00	19.38	20.55	
1306.00		11.00	34.00	11.00	50.50	30.00	34.50	89.00	16.44	16.38	21.04012773
1307.00		16.00	41.00		45.00	35.00	35.00	99.00	23.05		27.25475412
1308.00		9.00	42.00	10.00	48.00	40.00	36.00	92.00			25.02080593
1309.00		10.00	36.00	12.00	50.00	32.00	31.00	80.00	17.17	18.93	23.07118013
1310.00		14.00	37.00		58.00	34.00	35.00	94.00	20.11		23.14395654
1311.00		10.00	38.00	10.00	53.00	32.00	36.00	86.00	17.17	17.25	21.96032108
1312.00		12.00	40.50	10.00	46.00	37.00	34.50	61.00	18.64	17.25	26.21634734
1313.00		16.00	40.50	13.00	47.50	30.00	34.00	85.00	23.40	23.93	24.17637971
1314.00		9.00	19.00	5.00	23.50	18.00	15.50	60.00	15.70	15.61	16.66628511
1315.00		14.00	21.00	9.00		18.00	12.50	63.00			16.86403373
1316.00		11.00	16.00	8.00	15.00	12.00	10.50	46.00	19.74	19.70	
1317.00		12.00	23.00	6.00	24.00	17.50	18.00	56.00			15.60356653
1318.00		11.00	21.00	5.00	24.00	15.50	14.00	58.00	17.91	14.53	14.02912105
1319.00		15.00	39.00		57.50	35.00	36.00	91.00	21.58		22.43026708
1320.00		14.00	37.00	12.00	49.00	32.00	35.00	87.00	20.85	19.75	21.57405737
1321.00		14.00	40.00	12.00	53.00	40.00	37.00	91.00	21.58	20.55	28.04513754
1322.00		14.00	22.00		23.00	18.00	16.00	57.00			18.23226318
1323.00		16.00	39.00	10.00	48.00	38.00	36.00	92.00	23.05	18.93	26.62403803
1324.00		14.00	35.00		51.00	38.00	36.00	87.00	20.11		22.36366394
1325.00		12.00	41.00	10.00	53.00	42.00	38.00	92.00	20.11	18.93	26.59051423
1326.00		16.00	42.00		48.00		37.00	87.00	23.05		23.76510392
1327.00		13.00	21.00		24.00	18.00		57.00			16.87822302
1328.00		13.00	17.00		17.00	15.00	13.50	51.00			17.51527959
1329.00		9.00	21.50		24.00	15.00	14.50	48.50	13.50		13.78038194
1330.00		10.00	16.50		23.50	15.50	14.00	47.00	16.69		13.92032594
1331.00			16.00	5.00	21.00	14.50		48.00		13.67	18.66666667
1332.00		13.00	18.50			18.00	12.00	50.50	20.35		20.6122449
1333.00		14.00	18.00	5.00		16.50	14.00	49.00	21.57	17.23	16.139643
1334.00		11.00	18.00			17.50	12.00	46.00	16.44		16.27423823
1335.00		12.00	18.00	7.00		17.00	12.50	48.50	17.91	17.49	16.35555556
1336.00		14.00	36.00	11.00	48.00	33.00	36.00	87.00	20.11	18.10	22.30106501
1337.00		12.00	37.00	12.00	50.00	32.50	35.00	84.00	15.70	15.50	21.133201
1338.00			39.00	12.00	53.00	33.00	35.00	83.00		18.10	24.43767172
1339.00		11.00	39.00		44.00	35.00	31.00	107.00	23.79		24.45264781
1340.00		13.00	37.00	13.00	54.00	35.00	36.00	86.00	19.38	19.75	25.40923061
1341.00			17.50	4.00	17.50	16.00	12.00	51.50		13.67	17.33700643
1342.00			16.50	5.00	18.00	15.50	11.00	46.00		13.67	17.43197279
1343.00			17.00	4.00	18.00	15.00	13.50	48.50		9.60	18.36734694
1344.00		9.00	20.50	5.00	24.00	17.00	18.00	46.00	13.50	12.68	15.67901235
1345.00		10.00	18.00	5.00	23.50	16.00	16.50	48.00	15.70	14.65	16.11672415
1346.00		10.00	21.00		20.00	16.00	15.00	51.00	14.23		19.52374087
1347.00			20.00	4.00	17.00	16.00	12.00	44.00		13.67	17.84970548
1348.00			20.00	4.00	25.00	18.00	19.00	48.00		11.67	14.00266051
1349.00		10.00	19.00	4.00	21.00	16.00	16.00	49.00	17.17	15.61	16.34302126
1350.00		8.00	35.50	11.00	44.00	28.00	36.50	87.00			26.3728191
1351.00		14.00	37.50	11.00	45.50	32.00	35.50	88.00	21.58	19.75	23.50184216
1352.00		18.00	36.00	14.00	43.00	32.00	35.00	85.00	28.93	26.39	21.0747148

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1353.00			38.00	21.00	46.50	30.50	34.50	94.00		25.72	25.14800948
1354.00		10.00	36.00	11.00	48.50	30.50	35.50	88.00	15.70	16.38	22.58582907
1355.00		20.00	35.00	12.00	47.00	31.00	27.00	80.00	32.55	29.90	22.68470343
1356.00		28.00	33.00	8.00	41.00	29.00	29.00	76.00	34.38	24.55	20.81165453
1357.00		10.00	40.00	12.00	53.50	36.50	33.00	44.00	15.70	17.25	25.95679012
1358.00		10.00	35.50	8.00	54.00	26.00	32.00	68.00	17.30	17.23	22.10612245
1359.00		8.00	41.00	12.00	56.50	32.50	33.00	85.50			24.42658875
1360.00		6.00	37.00	8.00	51.00	29.00	37.00	76.00			20.90238586
1361.00		8.00	35.00	10.00	53.00	34.50	33.50	89.00			25.43982129
1362.00		6.00	34.00	6.00	53.00	35.00	34.00	87.00			25.59362916
1363.00		12.00	36.00	10.00	53.00	29.00	34.50	86.00	17.17	15.50	21.73236547
1364.00		8.00	39.00	8.00	54.00	33.00	33.00	78.00			21.73236547
1365.00		18.00	40.00	22.00	52.00	39.00	30.00	110.00			
1366.00		6.00	39.00	8.00	52.00	32.00		88.00			23.63769175
1367.00		10.00	39.00	10.00	51.00	31.00		88.00			23.20918476
1368.00		8.00	37.00	10.00	53.50	32.00		89.00	15.70	17.25	24.99042858
1369.00		6.00	40.00	8.00	55.00	30.00	35.00	86.00			24.45264781
1370.00		10.00	40.00	10.00	54.00	28.00	34.00	87.00			24.18360889
1371.00		12.00	41.50	12.00	55.50	33.00	34.00	87.00	21.58	22.11	24.05555048
1372.00		10.00	40.00	8.00	55.00	30.00	31.00	82.00	15.70	13.69	23.7654321
1373.00		10.00	38.00	8.00	52.00	31.00		88.00	15.70	13.69	23.68126759
1374.00		8.00	41.00	8.00	57.00	32.00	31.00	86.00			23.79763746
1375.00		8.00	38.50	12.00	53.00	29.00	33.00	90.00			23.2345561
1376.00		8.00	36.00	10.00	49.50	31.00	30.00	76.00	14.23	15.50	22.35354457
1377.00		6.00	32.50	10.00	46.00	35.00	31.50	78.00	12.76	15.50	21.36009706
1378.00		8.00			57.00	33.00	31.50	87.00			23.79763746
1379.00		18.00	39.00	15.00	51.00	27.00	34.00	74.00	28.28	28.13	20.88831324
1380.00		18.00	36.00	20.00	46.00	33.00	32.00	84.00	30.72	33.72	27.4930713
1381.00		20.00	30.00	12.00	49.00	26.00	32.00	73.00	29.50	26.75	19.06925753
1382.00		18.00	32.00	16.00	50.00	26.00	30.00	73.00	27.06	27.69	19.71325343
1383.00		18.00	32.00	16.00	51.00	26.00	31.00	73.00	26.45	27.23	21.14320036
1384.00		18.00	33.00	20.00	53.00	27.00	33.00	77.00	27.06	30.45	21.68170017
1385.00		10.00	38.00	8.00	51.00			88.00	15.70	13.69	23.68126759
1386.00		16.00	36.00	15.00	52.00	26.00	32.50	83.00	24.01	25.70	20.69632728
1387.00		16.00	36.00	20.00	49.00	26.50	31.50	84.00	24.01	28.13	23.22347947
1388.00		16.00	36.50		49.00	27.00	32.00	75.00	25.84		23.56388878
1389.00		12.00	40.00	10.00	52.00	35.00	30.00	89.00	17.17	15.50	28.02658667
1390.00		18.00	35.00	20.00	52.00	27.00	33.00	86.00	28.28	31.54	21.85849933
1391.00		10.00	35.00	18.00	49.00	25.00	31.00	81.00	19.74	26.75	22.35354457
1392.00		18.00	36.00	12.00	49.00	24.50	30.50	72.50	29.50	27.69	20.22919051
1393.00		18.00	36.00		50.00	24.00	31.00	70.00	29.50		20.40179453
1394.00		12.00	36.00	9.00	52.00	22.50	32.00	71.00	20.35	20.47	18.20987654
1395.00			40.00	10.00	52.00	30.00	33.00	84.00			22.4382716
1396.00		12.00	40.00	10.00	55.00	33.00	35.00	106.00	17.17	15.50	26.54320988
1397.00		10.00	32.00	10.00	51.50	30.00	34.00	85.50			21.36725161
1398.00		8.00	37.00	10.00	56.00	32.00	34.00	81.50			23.02040816
1399.00		10.00	36.00	18.00	51.00	30.50	33.00	86.00	18.64	25.03	24.48979592
1400.00			36.50	18.00	56.50	32.00	36.00	99.50		25.03	26.55953251
1401.00		8.00	34.00	16.00	49.00	27.50	33.00	81.00	20.96	27.69	22.40587695
1402.00			42.00	16.00	51.00	37.00	35.00	86.00		18.93	24.33265089
1403.00		12.00	38.00	10.00	52.00	25.00	29.00	75.00	23.40	24.55	21.97026959
1404.00		14.00	35.00	12.00	45.00	25.00	27.00	71.50	24.62	25.70	18.33910035
1405.00		14.00	36.00	10.00	48.00	32.00	35.00	65.00	20.96	20.47	19.85431842
1406.00		16.00	36.00	14.00	51.00	29.00	35.50	80.00	25.84	26.75	21.19007057
1407.00		12.00	36.00	9.00	47.00	23.00	30.50	66.00	18.52	18.08	19.75308642
1408.00		16.00	35.00	10.00	47.00	22.00	31.00	65.50	25.84	24.55	19.43058705
1409.00		19.00	39.00	20.00	47.00	28.00	35.00	86.00	30.11	32.63	25.63211647
1410.00		10.00	40.50	12.00	58.00	42.00	35.00	96.00	17.17	18.93	27.02014486
1411.00		8.00	39.00	10.00	53.00	31.00	35.50	91.00			24.78706505
1412.00		6.00	37.00	13.00	51.00	24.00	27.50	71.50	16.69	23.29	20.41522491
1413.00		10.00	37.00	8.00	51.00	31.00	35.00	81.00			22.71604938
1414.00		10.00	29.50	10.00	51.50	20.50	36.00	66.00	19.74	21.93	15.39792388
1415.00		15.00	32.00	17.00	50.50	24.00	32.00	67.50	22.79	26.24	21.19274242
1416.00		12.00	31.00	14.00	44.00	22.00	29.00	73.00	18.52	21.93	20.96245906
1417.00		16.00	33.50	18.00	52.50	24.50	31.00	82.50	23.40	26.75	24.50178465
1418.00		8.00	34.50	20.00	54.00	27.00	31.00	74.00	18.52	27.69	19.91836735
1419.00		15.00	32.50	12.00	46.50	26.00	32.00	74.00	20.35	20.47	20.51902242
1420.00		10.00	33.00	8.00	49.50	26.00	34.00	75.00	16.08	15.45	19.95935549
1421.00						28.50					
1422.00		18.00	34.00	10.00	48.00	26.50	32.50	76.00	22.18	18.90	20.06095444
1423.00		18.00	39.00	10.00	53.00	25.50	33.00	85.00	28.28	25.70	20.95694988

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1424.00		18.00	38.00	22.00	49.00	31.00	29.00	95.00	30.72	34.82	25.85858586
1425.00		12.00	31.00	10.00	46.00	26.00	28.00	71.00	18.52	18.90	21.42201324
1426.00		14.00	35.00	12.00	49.00	29.00	30.00	74.00	23.40	24.55	20.4296875
1427.00		5.00	40.00	9.00	51.00	29.50	34.00	88.00			23.76510392
1428.00		26.00	33.00	26.00	51.00	31.00	33.00	100.00			
1429.00		12.00	39.00	10.00	55.00	31.00	36.00	87.00	18.64	17.25	
1430.00		8.00	40.50	8.00	53.50	30.00	35.50	89.00			24.60211387
1431.00		8.00	41.00	9.00	52.00	30.00	35.00	90.00			24.03414283
1432.00		6.00	41.00	8.00	54.00	30.00	34.50	88.00			23.76510392
1433.00		26.00	35.00		52.00	32.00	33.00	99.00	36.82		
1434.00		8.00	39.00		54.00	30.00	36.00	85.50			23.94309979
1435.00		10.00	38.00	8.00	53.00	30.00	36.00	87.00	17.91	16.38	24.58313405
1436.00		14.00	39.00	12.00	54.00	30.00	36.00	90.00	21.58	20.55	24.87405871
1437.00		8.00	40.00		54.00	30.00	35.50	86.00			23.53580526
1438.00		8.00	40.00	10.00	51.00	30.00	35.00	89.00	14.23	15.50	24.03414283
1439.00		18.00	34.00	18.00	51.00	23.50	29.00	27.00	30.72	32.63	21.2890625
1440.00		8.00	40.00		52.50	30.50	35.00	87.00			24.18360889
1441.00		18.00	36.00	12.00	52.00	29.00	33.00	76.00	28.28	26.75	22.69885724
1442.00		12.00	38.50	10.00	53.50	31.50	34.00	83.50	18.64	17.25	24.6092588
1443.00		6.00	32.00	10.00	42.00	24.50	28.00	64.00	16.08	20.47	19.15976054
1444.00		5.00	36.00	7.00	59.00	29.50	34.50	88.00			25.43982129
1445.00		10.00	30.00	12.00	47.00	26.00	30.50	75.00	18.52	21.93	21.16366956
1446.00		8.00	32.00	10.00	42.00	25.00	27.00	73.00	14.86	17.23	20.86198954
1447.00		8.00	35.00	8.00	57.00	27.00	32.50	89.50			23.93941517
1448.00		8.00	36.00	12.00	46.00	28.00	30.00	79.00	16.08	20.47	20.94728625
1449.00		5.00	36.00	6.00	56.00	29.00	35.00	89.00			24.57862059
1450.00		10.00	41.00	8.00	53.00	31.00	32.00	87.00	17.17	15.50	24.32985965
1451.00		6.00	41.00	8.00	52.00	31.00	35.00	88.00			23.53580526
1452.00		8.00	41.00		52.00	30.00	36.00	88.00	14.23		23.79763746
1453.00		12.00	34.50	16.00	54.00	25.00	30.00	73.00	19.74	24.55	21.83879882
1454.00		9.00	37.00	7.00	58.00	27.00	34.00	89.00			23.10745324
1455.00		8.00	38.00	10.00	56.00	30.00	32.00		20.96	24.55	21.73236547
1456.00		12.00	31.00	12.00	48.00	25.00	29.00	73.00	23.40	25.70	18.91162823
1457.00		14.00	36.00	12.00	44.00	25.50	32.00		25.84	26.75	22.69395388
1458.00		10.00	30.00	10.00	45.50	27.00	30.00	72.00	20.96	23.29	20.35777274
1459.00		12.00	30.00	12.00	46.00	27.00	29.50	70.00	20.96	23.29	19.82754792
1460.00		6.00	38.00	15.00	53.00	26.50	32.50	78.00	17.91	25.70	22.64170288
1461.00		10.00	32.00	14.00	52.50	23.00	28.50	69.00	20.96	25.70	20.99190734
1462.00		10.00	36.00		51.00	30.00	33.00	75.00	22.18		22.19323145
1463.00		15.00	33.50	15.00	51.00	23.00	29.00	67.00	25.23	27.23	20.4296875
1464.00		8.00	38.00	10.00	49.00	35.00	31.00	79.50	14.23	15.50	
1465.00		10.00	37.00	12.00	48.50	33.00		83.00	14.97	16.38	25.47792483
1466.00		10.00	41.00	14.00	51.00	38.50	29.00	106.00	20.11	23.60	
1467.00		8.00	37.00	8.00	52.50	33.00	32.00	82.00	15.70	15.50	24.07407407
1468.00		10.00	31.00	12.00	51.50	27.50	35.50	75.00	14.23	14.20	25.11029848
1469.00			39.00	12.00	50.00	34.00		87.50		17.25	26.80940046
1470.00		14.00	18.50	7.00	19.50	17.00	14.50	47.00			21.29501385
1471.00		10.00	18.00	6.00	20.00	16.20	11.00	50.00	16.69	14.53	17.62538055
1472.00			18.00	5.00	24.00	16.50		52.00		14.65	13.8221743
1473.00		10.00	22.00	4.00	26.00	17.50	15.00	54.50	16.44	14.65	17.90123457
1474.00			23.00	4.00	25.50	17.00	15.50	53.00		12.68	17.1695493
1475.00			18.50	4.00	19.50	17.00	11.50	51.00		13.67	17.96802748
1476.00			21.00	5.00	26.50	17.00	14.50	56.50		14.65	16.4231373
1477.00		10.00	18.00	8.00	21.00	17.00	14.00	51.00	15.70	15.99	
1478.00		12.00	25.00		31.00	17.00	18.00	48.00			16.96689844
1479.00		14.00	25.00	8.00	37.50	21.00	26.50	58.00	21.58	21.05	15.6771665
1480.00		22.00	34.00	20.00	52.50	31.00		73.00	31.94	32.63	21.52782083
1481.00		22.00	33.00	18.00	53.00	30.00		75.00	29.50	29.36	20.703125
1482.00		22.00	33.00	18.00	53.00	30.00		80.00	29.50	29.36	19.86351239
1483.00		16.00	35.00	16.00	53.00	28.00		80.00	22.18	24.55	21.50646022
1484.00		14.00	34.50	8.00	52.00	25.00		80.00	20.96	18.90	20.58655591
1485.00		12.00	36.50	10.00	52.00	30.00		83.00	22.18	23.29	21.15190681
1486.00		14.00	35.00	14.00	51.00	27.00	35.00	73.00	27.06	29.36	21.04691963
1487.00		16.00	33.50	10.00	50.00	27.50	35.00	72.00	22.18	20.47	19.59183673
1488.00		12.00	36.00	16.00	52.00	28.00	38.00	81.00	23.40	27.69	21.62594228
1489.00		22.00	34.00	18.00	50.50	24.00	36.00	74.00	33.16	32.63	21.85849933
1490.00		20.00	36.50	15.00	50.50	28.50	34.50	75.00	27.67	26.75	21.58556106
1491.00		18.00	41.00	13.00	48.50	30.00	33.50	67.00	25.84	25.14	21.91273485
1492.00		18.00	37.00	13.00	50.00	29.00	34.00	75.00	27.06	26.24	21.640625
1493.00		16.00	34.00	12.00	50.00	27.00	36.00	65.50	24.01	23.93	19.33372992
1494.00		20.00	35.00	18.00	55.50	26.50	37.50	75.00	28.28	29.36	22.19579865

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1495.00		18.00	38.00	15.00	52.00	28.00	36.00	76.00	27.06	27.23	21.46915048
1496.00		18.00	35.00	20.00	51.00	28.00	35.00	78.00	28.89	32.09	23.33546614
1497.00		20.00	40.00	13.00	50.50	31.00	34.00	71.00	28.89	26.75	22.13673973
1498.00		19.00	36.00	10.00	50.00	27.50	35.00	78.50	27.67	24.55	23.183391
1499.00		18.00	38.00	8.00	50.00	28.00	35.00	74.00	25.23	21.21	22.98539751
1500.00		21.00	38.00	10.00	46.00	25.00	36.00	70.00	28.28	23.93	20.41522491
1501.00		16.00	36.50	7.00	49.00	27.50	37.00	73.00	22.18	18.08	20.87565555
1502.00		16.00	36.00	10.00	51.00	27.00	36.00	79.00	23.40	21.93	22.23098713
1503.00		26.00	42.00	15.00	54.00	30.00	38.00	75.00	33.16	28.13	25.09152885
1504.00		22.00	38.00	13.00	48.00	26.00	35.00	78.00	30.11	26.75	24.09297052
1505.00		20.00	40.00	10.00	51.50	29.00	37.00	79.00	28.89	25.14	23.11229526
1506.00		20.00	38.00	12.00	50.00	29.00	36.50	78.00	31.33	28.13	22.32142857
1507.00		20.00	37.00	10.00	52.00	27.50	37.00	75.50	28.28	24.55	21.20310523
1508.00		22.00	37.00	14.00	54.00	27.00	37.50	78.00	30.72	27.69	21.79358524
1509.00		22.00	37.00	14.00	52.00	28.00	36.50	78.00	29.50	26.75	21.5450908
1510.00		10.00	20.00	6.00	20.50	16.00	13.50	49.00	16.69	14.53	19.16098127
1511.00		18.00	41.00	15.00	49.50	29.00	34.00	69.00	26.45	26.75	22.10028959
1512.00		15.00	18.00	3.00	22.00	13.00	14.00	44.50	20.35	12.59	14.88095238
1513.00		12.00	21.00	11.00	20.00	18.00	13.00	53.00	20.35	21.93	20.75772971
1514.00		11.00	19.00	10.00	19.00	18.00	11.00	47.00	19.13	20.47	20.82920056
1515.00			16.00	6.00	22.00	14.00	15.00	53.00		15.99	14.84375
1516.00			19.00	6.00	20.00	17.00	13.00	54.00			22.17414819
1517.00		8.00	18.00	5.00	20.00	16.00	13.50	44.00	14.86	12.59	18.26630348
1518.00			21.00	6.00	19.50	18.00	13.00	49.00			17.84748513
1519.00		18.00	20.00	12.00	15.00	17.00	13.50	51.00	25.23	23.93	
1520.00		12.00	18.00	8.00	17.00	15.00	10.00	46.00	20.35	19.70	19.6799308
1521.00		12.00	18.00	7.00	25.00	14.00	18.00	45.00	20.35	18.90	13.1714876
1522.00			17.00	6.00	26.00	15.00	15.00	47.00		15.99	16.50376542
1523.00			21.00	6.00		15.00	16.00	57.00		15.06	17.7221172
1524.00		14.00	17.00	7.00	22.50	18.50	15.00	53.00	21.57	18.90	19.9829932
1525.00		9.00	18.00	5.00	22.00	16.00	15.00	46.00	16.44	15.06	17.40740741
1526.00			17.00	4.00	21.00	15.00	15.00	56.00		13.15	17.70956316
1527.00		12.00	20.00	6.00	25.00	16.00		58.00	19.74	17.23	18.72417355
1528.00		12.00	34.50	10.00	47.00	26.00	31.50	77.00	18.52	18.90	19.69230769
1529.00		14.00	33.00	8.00	45.00	24.50	30.50	74.50	18.52	15.45	21.82404365
1530.00		14.00	36.00	12.00	48.50	28.00	33.00	77.50	20.96	21.93	21.50928885
1531.00		10.00	35.50	12.00	45.50	26.50	31.00	75.00	18.52	21.93	21.1018662
1532.00		12.00	35.00	12.00	49.00	27.00	33.00	75.50	20.96	23.29	21.69550173
1533.00		10.00	36.00	8.00	49.00	26.50	31.00	73.00	16.08	15.45	
1534.00		12.00	14.00	10.00	50.50	29.00	33.00	78.00	18.52	18.90	20.86855675
1535.00		10.00	36.00	14.00	48.00	27.00	32.50	76.50	19.74	24.55	22.69972452
1536.00		8.00	32.00	10.00	49.00	24.00	31.50	74.00	16.08	18.90	20.07849124
1537.00		10.00	36.00	10.00	48.00	25.50	30.00	77.00			20.78125
1538.00		10.00		10.00	25.40		16.50	48.00	15.70	17.80	17.39799398
1539.00		10.00		10.00	13.30		8.90	38.10	17.30	18.90	15.15146525
1540.00		10.00		10.00	13.30		7.60	38.00	17.30	18.90	16.3127116
1541.00		11.00		9.00	30.50		21.00	52.00	17.91	18.08	17.1
1542.00		10.00			18.40		12.50	45.70	15.70		17.67676768
1543.00		10.00			13.20		7.60	38.10	15.70		17.24811591
1544.00		10.00		9.00	21.60		14.00	47.00	17.30	18.08	16.62049861
1545.00			18.50	8.00	19.00	15.50	11.50	49.00		15.99	17.07637455
1546.00		15.00	22.00	10.00	22.50	18.00	13.50	53.50			18.82352941
1547.00		10.00	19.50	8.00	21.50	18.00	14.00	50.50	19.74	20.47	19.7035091
1548.00		14.00	24.00	10.00	22.50	18.00	16.50	54.50			14.75694444
1549.00		14.00	18.50	10.00	19.50	17.00	14.50	51.00	20.35	19.70	18.26150475
1550.00		14.00	15.00	10.00	15.50	13.00	10.50	42.50	19.74	18.90	16.11911755
1551.00		18.00	20.00	10.00	22.00	16.00	14.50	48.00	25.84	23.29	18.9248165
1552.00		18.00	18.00	14.00	17.50	16.50	13.50	50.00	22.18	21.93	20.27177545
1553.00			20.00	8.00	23.00	18.00	16.00	55.00		17.80	18.38831801
1554.00		12.00	28.00	10.00	41.00	24.00	22.00	66.00	20.96	21.93	19.7914712
1555.00		18.00	16.00	12.00	15.00	12.50	10.50	41.00	23.40	21.93	
1556.00		18.00		13.00		20.50	30.00		22.79	21.93	17.85621862
1557.00		27.00		17.00		34.50	41.50				24.89408634
1558.00		20.00		12.00		17.00	17.50				15.14960232
1559.00		15.00		10.00		19.50	23.00		17.91	17.49	15.21893912
1560.00		18.00		13.00		17.50	16.00		24.01	23.29	18.8738597
1561.00		17.00		10.00		18.10	17.50		24.01	21.93	20.01549587
1562.00				13.00		18.00	13.50				18.46575921
1563.00		17.00		13.00		18.50	23.00		22.79	22.63	15.23483948
1564.00		20.00		14.00		20.00	25.50		21.58	21.05	16.1271809
1565.00		15.00		10.00		17.50	26.90		18.64	18.40	15.260631

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAPE	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1566.00		21.00		10.00		17.50	15.50		24.62	19.70	19.56823633
1567.00		12.00		9.00		18.50	22.50		17.91	17.23	
1568.00		19.00				23.00	29.80		20.85		17.0392308
1569.00				7.00		15.50	11.00			13.67	14.9872449
1570.00				15.00		28.90	33.40			32.92	20.87949814
1571.00		14.00		14.00		26.50			17.91	18.40	20.48631767
1572.00				10.00		17.50	17.00			19.30	18.53003436
1573.00				16.00		29.60	34.90			31.35	20.25721531
1574.00				14.00		17.50	14.50				17.40916426
1575.00		20.00		8.00		19.50	19.00		23.40	17.23	
1576.00		19.00		14.00		22.50	30.00		21.57	20.47	18.66666667
1577.00				13.00		24.10	39.20			20.55	21.5973657
1578.00		17.00		12.00		19.90	19.00				18.45952921
1579.00		20.00		11.00		19.50	18.00		25.84	22.63	17.68365358
1580.00				12.00		18.00	18.50				
1581.00		17.00		11.00		17.50	19.50		21.57	19.70	18.28571429
1582.00				12.00		19.00	17.00				18.19788478
1583.00		17.00		16.00		18.50	19.00		22.18	23.93	15.43413787
1584.00				9.00		18.50	17.50				16.53012467
1586.00				10.00		17.50	23.00				15.78512397
1587.00		22.00		14.00		18.90	20.00		28.89	26.24	17.42870077
1588.00				13.00		26.10	37.90			17.25	20.8415907
1589.00		20.00				22.50	29.00		23.05		16.4900519
1590.00		14.00		10.00		17.00	17.50		20.35	19.70	18.63806747
1591.00		25.00		16.00		33.50	40.00				21.22774662
1592.00		15.00		10.00		17.50	27.00		20.96	19.70	13.39180829
1593.00		14.00				20.00	25.30		22.32		20.17587114
1594.00		19.00		11.00		17.50	22.00		21.58	19.30	15.70247934
1595.00		28.00		18.00		22.20	20.50				14.88969333
1596.00				7.00		19.00				17.49	17.76506455
1597.00				11.00		19.50	18.00				21.99817223
1598.00		20.00		14.00		17.00	13.50		27.06	25.70	17.67676768
1599.00				15.00		26.20	35.00			23.60	22.16276919
1600.00		8.00		12.00		25.30	36.10		14.86	18.90	17.17532039
1601.00				12.00		19.00	16.50				17.90633609
1602.00		15.00		14.00		21.60	30.80		28.28	29.90	20.60606061
1603.00		17.00		11.00		22.90	29.90		19.74	17.23	18.48888889
1604.00		14.00				18.50	17.00				19.72244898
1605.00				10.00		19.70	18.00				17.42101806
1606.00				10.00		18.00	19.00			19.30	18.18135906
1607.00		19.00				26.00	31.90		29.67		22.39397543
1608.00		19.00		13.00		18.50	23.50		21.58	21.05	16.05803212
1609.00				13.00		22.40	29.00			20.18	18.33830505
1610.00				11.00		17.50	17.00				
1611.00		17.00		11.00		17.50	15.00		23.40	21.93	18.30576947
1612.00		16.00		18.00		24.90	30.70		22.79	26.24	18.855359
1613.00		20.00		14.00		19.00	19.00				16.14328158
1614.00		17.00				16.90			27.06		18.97707612
1615.00		6.00				16.60	28.70				17.19290657
1616.00				7.00		14.10	13.00			10.64	17.33268736
1617.00		7.00		3.00		17.60	29.00				16.01080247
1618.00		7.00				17.00	22.00		13.50		14.69682979
1619.00		6.00		6.00		17.50	27.00				15.50428899
1620.00		13.00				21.20	34.00		19.38		16.54521118
1621.00		11.00		6.00		14.20	12.00		16.08	12.59	16.57794397
1622.00		10.00				15.00	10.50		15.70		16.9865806
1623.00		10.00		9.00		21.00	24.00				18.96006895
1624.00				6.00		15.20	17.00			15.61	16.87822302
1625.00		10.00		5.00		15.60	18.00		17.30	14.53	14.54545455
1626.00		13.00		8.00		24.00	30.50		22.18	21.21	20.63503867
1627.00				4.00		16.00	19.00			11.67	15.64709209
1628.00		6.00				16.50	21.00				15.65524787
1629.00		16.00				24.00	31.00				22.56496727
1630.00		6.00		6.00		19.60	28.50		14.86	15.45	17.35325185
1631.00		8.00				17.00	20.00		14.23		16.68267971
1632.00				11.00		24.60	36.00				18.28906713
1633.00		15.00		10.00		19.40	20.50		24.01	23.29	20.2637785
1634.00		9.00		7.00		21.50	30.00		16.69	16.35	18.4
1635.00				7.00		22.50					
1636.00				6.00		14.90	15.20			11.67	17.22225667
1637.00		10.00				21.90	34.50		17.17		17.12522112

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1638.00		13.00		8.00		14.50	13.00		17.91	15.45	17.74213241
1639.00		11.00		5.00		13.00	11.00		14.86	9.50	16.42903541
1640.00		8.00		5.00		16.60	25.00		13.50	13.67	14.64660038
1641.00		8.00		5.00		16.80	25.50		14.86	12.59	15.500031
1642.00		11.00		6.00		15.00	16.00		14.97	13.67	17.64828304
1643.00		11.00		6.00		13.00	11.00		15.47	11.59	15.8559527
1644.00		10.00		7.00		17.70	17.00		18.52	18.08	17.57925693
1645.00		20.00		7.00		28.30	34.00		30.72	25.14	27.890625
1646.00		27.00		14.00		29.20	34.50		33.77	27.69	20.44913742
1647.00		23.00		12.00			15.50		24.62	19.70	17.94767205
1648.00		10.00		10.00		17.50	23.50				15.78876646
1649.00		13.00				16.50	16.50				18.28236661
1650.00		15.00		15.00		21.50	26.80		24.62	26.75	20.38936068
1651.00		15.00		10.00		17.00	15.50		20.35	18.90	15.33966399
1652.00		19.00		10.00		18.50	21.50				15.43209877
1653.00		14.00		15.00		26.00	38.00		19.38	19.25	22.27530992
1654.00		18.00				17.50	22.50		20.11		15.74703956
1655.00		11.00		7.00		15.00	16.00		14.97	14.65	17.4817898
1656.00		16.00		11.00		19.20	23.00		20.11	20.18	15.72823901
1657.00				13.00		22.70	28.70			19.55	17.40916426
1658.00		14.00		14.00		23.60	28.30		19.13	21.21	18.5570827
1659.00		18.00				17.10	17.50				22.34351559
1660.00		21.00		7.00		18.00	15.00		24.01	16.35	15.57782876
1661.00		17.00				19.00	17.50				20.71625344
1662.00		11.00		5.00		13.00	11.00		15.47	10.56	16.12469766
1663.00		22.00		13.00		23.50	32.00		24.01	20.47	19.18436771
1664.00		17.00		17.00		29.50	35.50		25.23	27.23	21.08134921
1665.00		10.00		12.00		19.50	24.00				15.78876646
1666.00		11.00				19.60	22.90				17.98611111
1667.00				15.00		24.80	31.50			30.57	
1668.00		17.00		12.00		18.00	17.50		24.01	23.29	18.62531505
1669.00		12.00		8.00		18.50	18.00		17.91	18.40	16.61279375
1670.00		9.00				20.50	18.50				20.40816327
1671.00		22.00		9.00		19.50	18.50		28.28	22.63	19.92358304
1672.00		22.00		10.00		15.50	13.50		23.40	17.23	14.848
1673.00		15.00		13.00		24.20	29.10		18.64	17.55	20.56878575
1674.00		21.00		15.00		21.00	21.00				16.48743406
1675.00		13.00		14.00		25.90	38.10				22.02432251
1676.00		11.00		12.00		18.00	22.00		16.44	21.05	15.53210464
1677.00		19.00				20.00	18.50				18.72690037
1678.00		6.00		6.00		19.50	29.00		14.86	15.45	17.10175544
1679.00		15.00		9.00		20.00	18.50		22.79	21.21	17.65927978
1680.00		19.00		14.00		22.90	34.00		22.79	21.93	19.30821634
1681.00		17.00		7.00		18.00	27.00		20.96	15.45	15.30612245
1682.00				15.00		24.60	35.20				21.4532872
1683.00		21.00		12.00		34.50	40.00		33.77	30.45	26.34649403
1684.00		32.00		20.00		29.50	33.00		38.65	33.18	26.00511177
1685.00				12.00		16.70	17.60				
1686.00		19.00		13.00		19.50	19.90		25.84	24.55	14.46527444
1687.00		12.00		10.00		19.50	17.80		20.35	21.21	16.34353469
1688.00		6.00				16.60	28.70				17.19290657
1689.00		11.00		7.00		14.10	13.00		15.70	15.61	13.15613619
1690.00		7.00				17.60	29.00				16.01080247
1691.00		7.00		6.00		17.00	22.00		13.50	15.61	14.69682979
1692.00		6.00				17.50	27.00				15.50428899
1693.00		13.00				21.20	34.00		19.38		16.54521118
1694.00		10.00		6.00		18.00	21.50		16.08	13.57	16.07608787
1695.00		11.00		6.00		14.20	12.00		16.08	12.59	16.98727592
1696.00		10.00				15.00	10.50		15.70		
1697.00		10.00				21.00	24.00		17.91		18.96006895
1698.00				6.00		15.20	17.00			15.61	16.87822302
1699.00		10.00		5.00		15.60	18.00		17.30	14.53	14.54545455
1700.00		13.00		8.00		24.00	30.50		22.18	21.21	20.63503867
1701.00		8.00				16.00	19.00		12.76		15.64709209
1702.00		6.00		4.00		16.50	21.00				15.65524787
1703.00		16.00				24.00	31.00		25.99		22.56496727
1704.00		6.00		6.00		19.60	28.50		14.86	15.45	17.35325185
1705.00		8.00				17.00	20.00		14.23		16.68267971
1706.00				11.00		24.60	36.00				18.28906713
1707.00		15.00		10.00		19.40	20.50		24.01	23.29	20.2637785
1708.00		15.00		10.00		18.00	16.00		19.74	18.08	18.23563243

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1709.00				14.00		18.00	14.50				17.70121516
1710.00		20.00				21.00	26.00		22.32		16.24196511
1711.00	5.00	12.00	28.60	7.00	52.10	28.60	38.10		12.03	5.80	22.52548884
1712.00	10.00	10.00	34.30	9.00	53.30	30.50	39.40		14.97	13.69	22.48610401
1713.00	6.00	12.00	34.90	10.00	52.10	29.20	36.80		15.70	13.69	22.09534258
1714.00	7.00	10.00	39.40		54.60	27.90	36.80		16.44		25.9029505
1715.00	11.00	8.00	36.80	10.00	57.80	29.90	40.60		15.70	17.25	24.48621251
1716.00	4.00	8.00	36.20	8.00	53.30	30.50	35.60		12.76	11.81	22.26591789
1717.00	6.00		33.00	8.00	52.10	27.90	36.80			6.84	21.96122821
1718.00	6.00		30.50	12.00	58.40	26.70	38.10			20.47	21.79358524
1719.00		8.00	30.50	8.00	52.10	26.70	35.60		16.08	17.23	20.27326546
1720.00	4.00	14.00	34.30	8.00	49.50	27.30	35.60		19.74	17.23	22.52409444
1721.00	8.00	13.00	31.10		53.30	25.40	38.10		19.13		17.73506033
1722.00		26.00	35.60		47.60	32.40	34.30		34.99		27.46518819
1723.00	4.00	11.00	30.50		52.10	25.40	35.60		18.52		18.6188846
1724.00	4.00	12.00	31.10	8.00	53.30	26.00	36.80		19.74	18.90	17.97132568
1725.00	13.00	12.00	34.30	15.00	50.80	26.70	37.50		21.57	25.70	22.31936483
1726.00		18.00	34.30	12.00	50.10	26.70	39.40		25.84	24.55	19.84572166
1727.00		10.00	33.00	8.00	49.50	24.10	40.60		20.96	21.93	17.10926146
1728.00			43.20		49.50	31.10	36.30				29.87150416
1729.00		16.00	39.40	14.00	55.90	33.00	35.60		24.52	23.60	26.93534675
1730.00		16.00	41.90	22.00	55.90	33.00	39.40		25.99	32.92	28.72130803
1731.00		18.00	33.00	9.00	45.70	24.50	27.90		24.52	18.40	21.70072647
1732.00	3.00	8.00	34.30	6.00	54.00	26.70	38.10		9.82	7.90	20.27328914
1733.00		15.00	38.10	20.00	57.20	29.90	36.80		25.26	31.35	25.55192643
1734.00		13.00	29.20	4.00	48.30	22.90	33.00		15.70	8.94	14.85801788
1735.00		18.00	40.60	26.00	50.80	33.00	35.60		34.38	40.28	28.15972796
1736.00	8.00	14.00	35.60	14.00	50.80	27.90	38.10		22.18	24.55	19.94951265
1737.00	12.00	15.00	36.80	15.00	49.50	29.20	33.00		25.23	27.23	23.42473431
1738.00	7.00	14.00	31.80	10.00	45.70	24.80	33.00		25.84	25.70	18.984375
1739.00		4.00	34.90	8.00	50.80	27.90	35.60		11.29	13.99	19.78156313
1740.00	8.00	18.00	35.60		53.30	29.80	34.30		27.06		24.5379762
1741.00	4.00	8.00	37.50	8.00	55.20	25.40	37.50		17.91	19.70	19.61767631
1742.00	5.00	12.00	32.40	5.00	48.30	25.40	36.80		17.30	12.59	18.97423725
1743.00	6.00	10.00	31.10	6.00	60.30	26.70	38.10		14.23	10.17	20.118132
1744.00	14.00	10.00	30.50	10.00	58.40	28.60	42.60		17.91	18.10	32.08868733
1745.00	12.00	16.00	35.60	6.00	55.90	31.80	39.40		18.64	9.87	24.45208972
1746.00	2.00	10.00	31.80	4.00	55.90	27.90	35.60		12.76	6.10	22.01313526
1747.00	9.00	12.00	37.50	11.00	61.00	33.00	41.30		16.44	14.20	26.32868203
1748.00	6.00	6.00	31.10	6.00	52.70	30.50	38.10		9.82	7.87	20.84596006
1749.00	8.00	6.00	30.50	8.00	55.90	30.50	36.80		12.76	13.69	22.36366394
1750.00		18.00	38.70	18.00	48.30	33.00	33.00		27.46	29.79	31.88712522
1751.00		20.00	41.90	22.00	55.90	35.60	39.40		23.05	25.03	30.33091147
1752.00	12.00	8.00	36.80	8.00	53.30	30.50	40.00		12.76	11.81	22.77897657
1753.00	10.00	11.00	38.70	13.00	57.20	32.40	39.40		16.44	16.80	27.96227031
1754.00	3.00	6.00	38.70	6.00	58.40	29.20	38.10		11.29	8.57	24.27931033
1755.00		12.00	39.40	26.00	53.30	34.30	38.10		18.64	31.35	26.55015182
1756.00		6.00	35.60	6.00	54.60	26.70	38.10		11.29	9.87	19.4702982
1757.00		28.00	38.70	32.00	56.50	33.70	43.20		35.55	41.53	25.99497077
1758.00		16.00	31.10	6.00	50.20	26.70	33.00		24.52	19.35	17.16926511
1759.00	10.00	14.00	34.30		48.30	24.80	34.30		24.62		19.82754792
1760.00	6.00	16.00	33.00	6.00	45.70	24.10	33.00		22.18	17.23	17.77777778
1761.00	8.00	10.00	33.70	10.00	50.80	27.90	35.60		19.74	21.93	20.08608623
1762.00		16.00	39.40	22.00	48.30	32.40	35.60		29.50	34.82	27.09694827
1763.00	9.00	16.00	30.50	8.00	48.30	24.10	33.70		24.62	21.93	19.15976054
1764.00	5.00	8.00	34.30	4.00	55.90	27.90	39.40		12.76	9.97	18.73523826
1765.00	12.00	12.00	34.90	13.00	53.30	34.30	35.60		20.11	23.44	24.07352954
1766.00	8.00	16.00	33.00		50.80	23.50	35.60		22.79		18.11375438
1767.00		21.00	42.50	28.00	61.00	38.10	41.30		35.55	43.88	35.38350023
1768.00		14.00	36.80	16.00	50.80	30.50	35.60		31.87	36.05	24.59971178
1769.00		3.00	38.10	5.00	54.60	38.10	36.80		6.15	4.74	22.47028706
1770.00	45.70	30.00	45.70	30.00	55.90	40.00	40.60		43.63	47.01	32.8533605
1771.00		12.00	34.30	6.00	54.60	26.70	38.10		14.97	8.88	20.11840758
1772.00	6.00	18.00	37.50	14.00	53.30	28.60	38.10		29.50	29.36	22.53863383
1773.00		12.00	28.60	14.00	45.70	24.10	33.00		20.96	24.55	18.92947909
1774.00	6.00	6.00	35.60	8.00	53.30	30.50	38.10		8.35	6.57	21.20782229
1775.00		20.00	33.00	18.00	49.50	29.20	33.70		29.50	30.45	21.82401898
1776.00		18.00	35.60	8.00	50.80	25.40	33.00		22.18	17.23	20.50773332
1777.00		10.00	36.20	6.00	58.40	25.40	41.90		14.23	9.87	18.38643872
1778.00	12.00	20.00	30.50	10.00	48.30	24.10	33.00		29.50	25.70	17.70128402
1779.00		5.00	41.30	8.00	59.70	29.20	40.60		9.09	8.57	22.5493439

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAPE	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1780.00			40.60	30.00	58.40	40.60	36.80			34.49	39.68242982
1781.00		16.00	34.90	10.00	52.10	25.40	31.80		22.18	20.47	19.08168671
1782.00		26.00	43.20		55.90	34.30	38.10		38.04		
1783.00		16.00	41.90	12.00	53.30	28.60	35.60		27.06	26.75	25.02873572
1784.00		18.00	33.00	12.00	52.10	26.70	34.30		25.84	24.55	19.4551097
1785.00	8.00	6.00	38.10	6.00	55.90	28.60	36.80		9.82	7.87	21.53310145
1786.00		18.00	33.00	13.00	48.30	26.70	34.30		28.28	27.23	22.89745528
1787.00		18.00	39.40	14.00	58.40	29.80	40.60		25.99	23.90	22.75919075
1788.00		12.00	29.80	10.00	55.90	29.20	39.40		17.17	15.80	20.41891294
1789.00		18.00	33.00	15.00	50.80	26.70	33.00		29.50	29.90	19.66394465
1790.00		14.00	26.70	8.00	49.50	21.00	35.60		22.18	20.47	14.60229964
1791.00		12.00	38.70	6.00	61.00	26.70	43.20		14.97	8.88	20.05998189
1792.00	3.00	6.00	38.10	8.00	54.60	29.20	36.80		9.82	9.87	21.60357599
1793.00		13.00	43.20	30.00	58.40	34.90	38.10		22.32	37.62	28.66759077
1794.00		6.00	34.90	8.00	50.80	66.00	36.80		9.09	8.88	21.20782229
1795.00	2.00	6.00	24.10	6.00	43.20	19.70	27.90		9.82	10.17	17.22827358
1796.00	8.00	12.00	20.30	8.00	29.90	21.10	20.30		18.52	17.23	17.19666524
1797.00	6.00	8.00	19.10	6.00	32.90	16.80	21.60		12.03	11.18	15.28341512
1798.00			21.00		22.90	17.80	17.80				17.60244686
1799.00	4.00	8.00	27.30	4.00	45.70	21.00	30.50		12.76	10.17	17.53481612
1800.00	5.00	12.00	34.30	7.00	48.30	23.50	34.30		23.40	22.63	20.4296875
1801.00	6.00	10.00	18.40	6.00	26.00	14.60	18.40		14.23	12.17	15.8071845
1802.00	3.00	6.00	37.50	8.00	54.60	30.50	36.80		9.82	9.87	22.85008052
1803.00		5.00		8.00	35.60	17.80	23.50		14.86	18.08	15.34313047
1804.00		7.00		8.00	45.70	22.90	27.90		17.30	19.70	15.61575248
1805.00		6.00		8.00	45.10	20.30	25.40		16.08	18.90	15.45180757
1806.00		10.00	19.70	6.00	28.00	17.10	17.80		17.30	15.45	15.12808249
1807.00		11.00	22.90	6.00	26.70	17.80	17.80		19.13	17.23	17.34657187
1808.00		11.00	21.60	10.00	25.40	17.80	17.80		20.35	21.93	18.99619629
1809.00		12.00	20.30	5.00	29.20	16.50	20.30		18.52	14.53	15.16523314
1810.00		18.00		19.00	52.10	23.40	35.60		28.28	19.53	27.33141561
1811.00		12.00		9.00	52.10	20.30	34.30		17.91	20.15	16.52257078
1812.00		12.00		22.00	48.30	33.00	35.60		27.67	15.71	13.90625
1813.00		5.00		6.00	49.50	25.40	32.40		8.35	9.14	19.25203754
1814.00		10.00		7.00	50.80	22.20	33.00		17.30	18.98	17.2265625
1815.00		18.00		18.00	46.40	29.20	31.80		27.06	34.82	28.53099126
1816.00		19.00		26.00	50.80	31.10	31.80		29.67	37.62	27.95260681
1817.00		9.00		5.00	48.30	22.90	31.10		11.29	8.10	16.05975434
1818.00		5.00		4.00	47.00	19.10	29.80		9.09	8.10	14.18257935
1819.00		16.00		20.00	56.50	30.50	34.30		25.26	30.52	31.66875248
1820.00		14.00		16.00	50.80	27.30	33.00		22.79	26.24	21.25513137
1821.00		11.00		7.00	50.80	26.00	33.00		15.70	14.11	21.09541899
1822.00		11.00		10.00	52.70	24.80	34.90		15.70	14.90	18.73834551
1823.00		7.00		5.00	50.80	24.80	31.80		9.82	8.10	19.27237658
1824.00		5.00		4.00	44.50	19.70	30.50		8.35	8.54	13.53410529
1825.00		24.00		19.00	49.50	28.60	32.40		33.16	36.45	24.75182666
1826.00		21.00		28.00	53.30	34.30	35.60		30.72	26.63	32.03958607
1827.00		13.00		14.00	53.30	24.10	33.00		23.40	35.22	20.4015745
1828.00		16.00		21.00	50.80	28.60	33.00		27.67	41.91	23.7930575
1829.00		30.00		27.00	50.80	37.50	34.30		46.57	47.80	36.51872825
1830.00		8.00		7.00	52.10	22.90	35.60		10.56	10.17	17.23369664
1831.00		16.00		10.00	49.50	24.10	33.00		20.96	18.90	19.02551687
1832.00		19.00		31.00	50.80	36.80	36.80		32.55	29.36	33.85181453
1833.00		19.00		17.00	50.80	29.20	34.30		28.28	18.44	24.84375
1834.00		10.00		9.00	44.50	20.30	30.50		15.47	15.45	17.05300627
1835.00		11.00		10.00	50.80	25.40	35.60		18.52	19.60	20.71929415
1836.00		13.00		23.00	45.70	33.00	34.30		29.50	17.89	29.84292462
1837.00		10.00		5.00	43.80	19.10	30.50		17.30	14.53	13.82661153
1838.00		11.00		13.00	52.10	26.00	35.60		20.35	23.93	20.61367477
1839.00		7.00		8.00	55.90	25.40	38.10		10.56	12.17	17.6752493
1840.00		20.00		25.00	50.80	29.80	34.30		32.61	39.18	24.3359375
1841.00		17.00		19.00	48.30	27.90	33.00		28.28	22.80	32.71832718
1842.00		15.00		11.00	50.80	25.40	34.30		22.18	21.93	20.12197244
1843.00		25.00		24.00	55.90	31.80	36.80		33.16	26.08	27.68662373
1844.00		15.00		18.00	52.10	27.30	34.30		21.57	25.70	24.18745276
1845.00		11.00		6.00	52.10	26.00	33.00		15.70	14.65	19.682935
1846.00		9.00		4.00	45.70	21.00	29.20		12.03	9.60	16.77628865
1847.00		17.00		19.00	46.40	26.00	34.90		24.62	27.69	15.02641894
1848.00		15.00		11.00	45.70	27.30	32.40		25.84	25.70	21.58872152
1849.00		9.00		12.00	49.50	26.70	35.60		20.35	24.55	20.99190734
1850.00		17.00		18.00	52.10	27.90	34.30		27.46	30.57	23.984375

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1851.00		15.00		13.00	47.60	25.40	33.00		24.62	25.70	20.79231302
1852.00		22.00		14.00	48.30	27.90	31.80		30.11	27.23	23.88096029
1853.00		16.00		16.00	48.30	29.20	27.90		28.93	31.35	17.07015068
1854.00		20.00		20.00	45.70	27.90	31.80		28.28	12.98	24.60741633
1855.00		4.00		3.00	41.90	22.90	29.20		6.15	5.27	15.9736193
1856.00		15.00		9.00	45.70	25.40	29.20		25.26	25.14	18.1398102
1857.00		19.00		26.00	54.60	34.30	39.40		36.82	41.37	29.12093233
1858.00		20.00		32.00	54.00	34.30	35.60		33.16	21.71	28.53416089
1859.00		16.00		7.00	47.00	22.20	31.80		24.01	20.47	16.87385194
1860.00		13.00		23.00	49.50	27.90	34.30		24.01	21.17	23.599328
1861.00		15.00		9.00	50.80	21.60	33.00		21.57	19.70	16.18618606
1862.00		15.00		10.00	48.30	25.40	34.30		24.01	23.29	21.24464601
1863.00		7.00		8.00	55.90	27.90	39.40		12.03	14.11	20.54443693
1864.00		10.00		9.00	48.30	24.10	34.30		16.69	17.23	18.28125
1865.00		17.00		12.00	48.30	24.80	35.60		22.79	21.93	20.9375
1866.00		11.00		12.00	48.30	26.70	31.80		17.91	22.73	22.68470343
1867.00		13.00		8.00	52.10	26.70	34.30		16.44	12.11	19.75808978
1868.00		20.00		16.00	49.50	29.20	32.40		30.40	29.79	25.05838345
1869.00		17.00		18.00	57.20	34.30	38.10		27.46	30.57	31.66277743
1870.00		7.00		6.00	50.80	27.90	34.30		9.82	9.14	19.66394465
1871.00		15.00		14.00	49.50	31.10	35.60		25.84	27.23	25.89060219
1872.00		17.00		11.00	48.90	26.90	31.80		25.84	24.55	22.01314608
1873.00		15.00		9.00	48.30	23.50	33.70		27.06	25.70	18.34323195
1874.00		14.00		11.00	48.30	24.10	34.30		20.35	20.47	19.59183673
1875.00		7.00		8.00	57.20	26.00	37.50		10.56	10.17	21.32418495
1876.00		6.00		8.00	50.20	26.70	35.60		10.56	12.95	20.09366845
1877.00		8.00		6.00	55.90	27.30	37.50		10.56	8.94	19.28525685
1878.00		5.00		6.00	52.10	29.80	36.20		9.09	9.97	23.11461256
1879.00		10.00		10.00	59.70	31.80	40.60		14.97	16.70	24.76883271
1880.00		10.00		7.00	45.70	28.60	33.70		19.13	18.90	23.44411679
1881.00		10.00		9.00	48.30	24.80	31.80		20.96	22.63	26.54854204
1882.00		18.00		17.00	48.30	27.30	35.60		26.45	27.69	23.61427499
1883.00		18.00		16.00	52.10	34.90	35.60		31.87	32.92	27.09693657
1884.00		7.00		8.00	53.30	27.30	34.30		9.82	10.98	21.98473785
1885.00		8.00		8.00	54.60	27.90	38.10		12.03	12.95	22.38847983
1886.00		17.00		17.00	50.80	33.70	35.60		25.26	27.82	26.92166532
1887.00		9.00		7.00	48.30	24.10	34.30		17.30	17.23	19.36146658
1888.00		10.00		19.00	54.60	33.70	40.00		19.38	28.49	29.47275597
1889.00		14.00		13.00	58.40	29.20	40.00		22.32	22.41	22.95098616
1890.00		11.00		9.00	54.60	34.30	36.80		14.23	13.91	24.86331503
1891.00		9.00		9.00	50.20	34.30	34.30		14.97	16.70	25.93085685
1892.00		11.00		10.00	55.90	24.80	38.10		16.44	17.60	17.26067903
1893.00		22.00		21.00	53.40	34.90	36.80		31.87	33.70	34.34819891
1894.00		26.00		24.00	57.20	33.70	38.10		35.60	29.90	32.96685994
1895.00		20.00		14.00	48.30	29.20	34.30		31.33	25.53	32.28433816
1896.00		11.00		11.00	50.80	26.00	34.90		22.79	25.14	19.84958747
1897.00		11.00		11.00	51.40	26.70	34.90		20.35	22.63	20.08608623
1898.00		15.00		11.00	53.30	26.00	35.60		26.45	26.24	19.52041221
1899.00		22.00		23.00	60.30	38.70	38.10		28.20	31.35	32.57073181
1900.00		20.00		22.00	55.30	36.20	35.60		28.93	32.92	
1901.00		22.00		21.00	50.80	27.90	33.00		32.55	38.09	21.68170017
1902.00		19.00		29.00	52.10	31.80	38.10		30.72	26.63	27.83791676
1903.00		20.00		16.00	50.80	25.40	33.00		26.45	26.24	21.16998454
1904.00		10.00		10.00	45.70	24.10	30.50		16.69	18.08	17.48033236
1905.00		21.00		32.00	48.30	36.80	33.00		34.99	26.08	35.703125
1906.00		25.00		10.00	50.80	24.80	33.00		34.08	25.09	19.38648537
1907.00		12.00		6.00	50.80	24.20	30.50		16.44	12.95	19.1796875
1908.00		26.00		27.00	52.10	29.20	38.10		36.21	40.82	44.46494465
1909.00		24.00		32.00	48.30	33.00	33.00		34.99	47.37	26.640625
1910.00		32.00		32.00	48.30	38.10	33.00		47.19	21.17	34.01984209
1911.00		15.00		10.00	48.30	23.50	33.00		20.96	19.60	17.48810136
1912.00		10.00		9.00	48.30	30.50	33.00		13.50	14.11	24.77423298
1913.00		11.00		10.00	49.50	24.10	35.60		19.13	20.47	18.33367989
1914.00		10.00		4.00	53.30	22.90	33.00		10.56	2.88	18.05773854
1915.00		26.00		24.00	55.90	34.30	38.10		37.75	39.18	27.81154111
1916.00		12.00		51.00	54.60	29.20	35.60		18.64	41.28	31.45269929
1917.00		10.00		8.00	49.50	27.90	33.00		14.23	14.11	30.53797186
1918.00		15.00		6.00	50.80	26.00	33.00		22.18	16.08	21.45340685
1919.00		20.00		24.00	52.10	33.70	35.60		32.61	38.40	28.02845842
1920.00		12.00		8.00	47.00	22.20	30.50		18.52	17.23	17.43753488
1921.00		20.00		14.00	50.80	27.90	35.60		29.50	27.69	20.8379115

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1922.00		12.00		9.00	49.50	25.40	33.00		19.13	22.55	18.72251195
1923.00		13.00		11.00	45.70	26.70	31.80		20.85	23.55	20.36529715
1924.00		13.00		12.00	50.80	29.20	33.00		22.32	25.91	22.96944342
1925.00		10.00		7.00	55.80	31.75	35.60		14.23	11.15	22.48610401
1926.00		20.00		12.00	49.50	25.40	27.90		27.67	25.14	21.85134764
1927.00		16.00		13.00	49.50	27.90	33.00		27.06	27.23	21.25513137
1928.00		12.00		11.00	47.00	25.40	27.90		18.64	20.40	19.97781773
1929.00		15.00		12.00	52.10	27.90	33.00		28.20	28.49	18.98644161
1930.00		12.00		9.00	49.50	24.10	33.70		20.35	20.47	25.56393272
1931.00		12.00		6.00	49.50	21.60	34.90		23.40	21.93	14.21176551
1932.00		13.00		7.00	54.60	24.10	35.60		17.17	13.91	17.96738287
1933.00		12.00		10.00	59.70	30.50	37.50		13.50	11.15	10.90967487
1934.00		13.00		15.00	55.90	32.30	38.10		20.85	24.96	21.55751755
1935.00		11.50		10.00	52.70	21.60	36.20		18.22	18.90	16.77711022
1936.00		8.00		8.00	52.10	26.70	33.00		11.29	12.17	20.31274925
1937.00		5.00		4.00	52.10	23.50	33.00		7.62	5.97	18.04306861
1938.00		15.00		5.00	50.80	21.60	35.60		21.57	16.35	15.24387971
1939.00		11.00		11.00	48.30	25.40	33.00		17.91	19.70	20.70021403
1940.00		15.00		8.00	48.30	24.10	35.60		21.57	18.90	16.99983859
1941.00		12.00		15.00	49.50	27.90	33.00		19.74	23.93	23.27670208
1942.00		21.00		8.00	43.20	26.70	31.80		25.23	18.90	20.15621063
1943.00		12.00		10.00	45.70	24.10	30.50		19.13	19.70	18.52727035
1944.00		12.00		11.00	50.80	30.50	34.30		17.91	19.55	23.62307886
1945.00		18.00		12.00	49.50	25.40	33.00		26.45	25.14	21.48360967
1946.00		17.00		17.00	50.80	30.50	33.00		24.52	28.83	25.67483893
1947.00		10.00		7.00	41.90	20.30	25.40		14.23	14.65	16.29424746
1948.00		15.00		9.00	45.70	22.90	30.50		22.32	20.40	16.90668169
1949.00		8.00		6.00	50.80	25.40	33.00		11.29	10.17	18.63554977
1950.00		11.00		9.00	47.00	25.40	31.80		16.69	16.35	18.34215168
1951.00		13.00		12.00	50.80	28.60	31.80		21.57	23.29	23.59478202
1952.00		9.00		8.00	47.00	24.10	33.00		16.69	17.23	17.79610828
1953.00		17.00		18.00	53.30	33.00	35.60		24.62	27.24	30.00952747
1954.00		18.00		21.00	49.50	29.80	33.00		26.45	22.80	22.35354457
1955.00		12.00		11.00	48.30	26.00	33.00		20.35	21.93	20.28818236
1956.00		11.00		5.00	49.50	24.10	30.50		12.03	5.04	17.13224288
1957.00		11.00		11.00	55.90	29.80	38.10		15.70	15.80	21.73765192
1958.00		18.00		13.00	48.30	28.60	30.50		25.26	25.91	23.13077306
1959.00		9.00		6.00	53.30	30.50	36.80		11.29	7.14	11.4724625
1960.00		14.00		7.00	49.50	24.10	31.80		17.91	12.11	18.04169333
1961.00		11.00		5.00	55.90	26.70	36.80		14.97	12.68	19.42248782
1962.00		9.00		7.00	55.90	25.40	33.00		13.50	12.95	18.13896864
1963.00		9.00		5.00	53.30	24.10	33.00		16.44	13.06	16.4365549
1964.00		16.00		8.00	53.30	27.90	33.00		21.58	17.80	20.40179453
1965.00		6.00		9.00	49.50	31.80	33.00		9.82	11.15	24.5616546
1966.00		15.00		9.00	48.30	23.50	30.50		23.79	23.55	18.20203907
1967.00		15.00		15.00	49.50	29.80	35.60		24.62	26.75	24.50655789
1968.00		12.00		11.00	53.30	26.70	34.30		20.35	21.93	21.68049852
1969.00		12.00		11.00	53.30	27.90	35.60		19.13	20.47	21.81714745
1970.00		6.00		5.00	48.30	21.60	29.20		9.82	9.14	16.87921277
1971.00		14.00		10.00	50.80	26.70	38.10		20.35	19.70	20.94728625
1972.00		15.00		11.00	53.30	30.50	33.00		26.45	26.24	23.03436318
1973.00		21.00		15.00	48.30	27.90	29.20		31.33	22.26	24.42276218
1974.00		18.00		8.00	47.00	26.70	30.50		25.26	21.90	21.62882883
1975.00		9.00		6.00	62.20	24.10	36.80		9.82	5.04	16.02276189
1976.00		10.00		8.00	50.80	27.30	34.30		12.76	10.17	19.91081497
1977.00		15.00		12.00	26.70	29.20	33.00		24.01	24.55	24.44490652
1978.00		12.00		11.00	48.30	26.70	33.00		20.35	21.93	21.08339632
1979.00		10.00		7.00	48.30	24.10	33.00		14.23	13.15	17.04592104
1980.00		11.00		8.00	50.80	23.50	33.00		14.23	12.95	17.08779745
1981.00		12.00		6.00	48.30	24.80	31.80		17.91	16.56	18.37958724
1982.00		9.00		6.00	47.00	24.00	30.50		16.44	17.49	17.04592104
1983.00		7.00		8.00	48.30	26.00	30.50		15.47	17.22	18.28672828
1984.00		11.00		6.00	49.50	25.40	34.30		14.97	12.17	16.83134913
1985.00		12.50		7.50	48.90	24.10	34.30		17.91	15.45	19.21769381
1986.00		18.00		11.00	48.90	30.50	33.00		24.93	22.96	25.7421875
1987.00		7.00		4.00	29.20	17.80	20.30		11.29	9.14	16.95912165
1988.00		11.00		4.00	38.10	20.30	27.90		18.52	14.53	15.49126445
1989.00		12.00		10.00	50.80	26.70	31.80		18.64	19.55	22.47440032
1990.00		8.00		6.00	27.00	16.00	20.00		14.86	13.57	15.07004005
1991.00		10.00		9.00	49.50	30.50	34.30		14.97	15.79	24.4125702
1992.00		16.00		19.00	29.20	21.60	19.10		27.06	30.45	23.42183576

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ID	ABDOMSK	CALFSKF	CALFCIRC	SUBSCAP	KNEETAP	UPCIRC	UPTAPE	ABDOMCIRC	bodyfat1	bodyfat2	bmi
1993.00		17.00		17.00	43.20	21.60	27.90		28.28	31.54	22.47150422
1994.00		17.00		19.00	43.20	29.20	27.90		28.28	24.99	25.01469284
1995.00		18.00		7.00	39.40	24.80	26.70		29.67	25.91	19.30319882
1996.00		15.00		5.00	48.30	22.20	34.30		20.35	14.53	16.4877803
1997.00		15.00		12.00	49.50	25.40	38.10		21.57	21.93	21.195773

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APPENDIX G (cont)

PRINTOUT OF COLLECTED DATA
DISIBILITY POPULATION
2001-2003
Identification Numbers
1-293

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ID	SEX	RACE	AGE	HEAD	HEIGHT	WEIGHT	UPTAPE	ARMSPAN	TRICEPSF	WAIST	CALFSKF	CALFCIRC
1.00	1.00	1.00	80.00		122.00	17.80	25.40		5.00	49.00	9.00	22.90
2.00	1.00	1.00	116.00		135.00	44.00	30.50		24.00	78.10	20.00	33.70
3.00	2.00	1.00	58.00		102.00	15.30	20.30		11.00		14.00	21.60
4.00	2.00	1.00	43.00		101.00	15.90	22.90		9.00		12.00	20.30
5.00	1.00	1.00	135.00		145.00	47.50	31.80		20.00		26.00	32.40
6.00	1.00	1.00	78.00		132.00	25.50	30.50		10.00		10.00	24.10
7.00	1.00	1.00	58.00		110.00	18.70	22.90		12.00	54.60	12.00	21.60
8.00	1.00	1.00	98.00		118.00	21.70	24.10		6.00	50.80	10.00	22.90
9.00	2.00	1.00	193.00		160.00	58.80	35.60		20.00	83.80	16.00	34.90
10.00	2.00	1.00	120.00		133.00	25.30	26.70		10.00	53.30	12.00	25.40
11.00	1.00	1.00	157.00		163.00	41.70	32.40		6.00	60.50	12.00	29.20
12.00	1.00	1.00	161.00	55.60	154.00	44.00	48.30		12.00	63.50		
13.00	1.00	1.00	88.00		104.00	14.50			9.00	50.80		
14.00	1.00	1.00	3.00	38.10	66.00	8.10	12.70		19.00			
15.00	2.00	1.00	43.00		103.00	17.60	17.70		12.00	53.30		
16.00	1.00	1.00	53.00	52.10	104.00	19.50	19.10		8.00	53.30		
17.00	2.00	2.00	44.00		95.30	14.20	19.10		10.00	53.30	6.00	15.20
18.00	2.00	2.00	102.00	55.90	129.50	48.50	25.40		19.00	96.50	12.00	25.40
19.00	1.00	1.00	125.00		124.50	26.80	26.70		10.00			
20.00	2.00	1.00	113.00		130.00	20.90	25.40		10.00	52.10		
21.00	2.00	1.00	100.00		123.20	31.30	28.00		22.00	71.70	18.00	
22.00	1.00	2.00	182.00		152.40	39.00	33.00		10.00	73.70	5.00	
23.00	2.00	1.00	13.00	48.30	73.70	11.60	14.00		16.00	55.90		
24.00	2.00	1.00	71.00		114.00	38.60	25.40		36.00	90.00		
25.00	1.00	1.00	161.00		164.00	73.60	35.60		12.00			
26.00	2.00	1.00	145.00		152.40	77.00	33.00		38.00	112.40		
27.00	2.00	1.00	11.00	43.80	73.70	10.80	16.50		17.00	57.20		
28.00	1.00	1.00	157.00		156.20	70.00	35.60		24.00	96.50		
29.00	2.00	1.00	176.00		139.00	51.40	33.00		22.00	80.60		
30.00	2.00	1.00	148.00		156.20	50.50	33.00		15.00	72.40		
31.00	2.00	2.00	56.00	60.30	101.60	47.60	25.40		30.00	109.00		
32.00	1.00	1.00	36.00		88.90	15.40	17.80		12.00	60.00		
33.00	2.00	1.00	59.00		101.60	16.50	21.60		8.00	54.60		
34.00	1.00	1.00	69.00		118.00	22.60	26.00		10.00	56.50		
35.00	1.00	1.00	44.00	51.00	88.00	13.40	19.00	89.00	10.00	54.60		
36.00	1.00	1.00	70.00	52.00		24.60	27.00		10.00	63.50		
37.00	1.00	1.00	95.00	53.00		28.00	26.60	118.00	12.00	67.00		
38.00	2.00	1.00	93.00	52.00	117.00	23.50	26.70		8.00	61.00		
39.00	1.00	1.00	42.00		91.00	14.60	20.00		10.00	56.50		
40.00	2.00	1.00	30.00		81.30	12.30	20.30				11.00	
41.00	1.00	1.00	182.00	50.80	127.00	25.30	29.00		8.00	59.70	9.00	
42.00	2.00	1.00	162.00	57.20	162.60	79.70	38.10		30.00	109.00	16.00	
43.00	1.00	1.00	5.00	44.00	63.50	10.00				63.50		
44.00	1.00	1.00	132.00	52.70	127.00	26.70	25.40	127.00	6.00		10.00	
45.00	1.00	3.00	71.00	49.50	109.20	18.20	21.60		7.00		12.00	
46.00	2.00	1.00	30.00		87.60	10.20	17.80		10.00		6.00	
47.00	1.00	1.00	193.00		172.70	66.40	35.60		7.00		10.00	
48.00	2.00	2.00	69.00	52.70	118.00	18.50	24.30		4.00	48.90	6.00	
49.00	1.00	1.00	75.00	54.50	109.00	18.20	22.90		8.00	54.60	6.00	
50.00	2.00	1.00	37.00	51.00	99.00	15.80	21.60		12.00	50.80	5.00	
51.00	2.00	1.00	72.00	53.30	122.00	21.00	25.40		8.00	50.80	6.00	
52.00	1.00	1.00	118.00	52.10	124.00	23.10	26.00		10.00	56.50	8.00	
53.00	1.00	1.00	57.00	47.00	96.50	17.80				55.90		
54.00	1.00	1.00	43.00	47.50	91.40	15.00				54.60		
55.00	2.00	1.00	10.50	41.00	66.70	7.50				45.70		
56.00	1.00	1.00	7.50	43.00	66.00	6.50				48.30		
57.00	2.00	1.00	32.00	46.00	87.60	12.50				48.00		
58.00	1.00	1.00	184.00	53.50	156.80	61.40				90.20		
59.00	2.00	2.00	17.00	46.50	76.20	10.80				53.00		
60.00	2.00	1.00	18.00	45.50	73.70	9.00				48.30		
61.00	2.00	1.00	108.00	48.50	121.90	38.10				82.60		
62.00	1.00	2.00	147.00	52.00	139.70	52.30				80.60		
63.00	2.00	1.00	57.00	47.00	98.70	13.70				50.00		
64.00	2.00	1.00	46.00	46.50	88.90	12.90				51.00		
65.00	2.00	1.00	97.00	51.50	118.00	28.20				63.50		
66.00	1.00	1.00	76.00	50.50	115.60	25.60	24.10	110.50	14.00	61.60	12.00	26.70
67.00	2.00	2.00	223.00		111.80	18.10	30.50					
68.00	1.00	1.00	34.00	44.50	86.40	8.90	17.10		4.00	46.40	8.00	
69.00	1.00	1.00	29.00			91.40	13.40		12.00	50.80	6.00	
70.00	1.00	1.00	242.00		152.40	77.70	35.60		12.00	106.70		
71.00	2.00	1.00	218.00		114.30	32.30	30.50		27.00	82.60	11.00	
72.00	1.00	1.00	103.00		115.60	17.00	25.00		10.00		14.00	

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73.00	1.00	1.00	11.00	48.00	69.90	9.00			12.00	52.50	16.00	
74.00	2.00	1.00	36.00		88.90	12.50	17.80		12.00	50.80	10.00	20.30
75.00	2.00	2.00	120.00		130.80	51.40	30.50		19.00	95.30	18.00	26.00
76.00	2.00	1.00	132.00		152.40	68.20	33.00		20.00	93.30	18.00	30.50
77.00	2.00	1.00	218.00		152.00	54.10	33.00		16.00	81.00		26.70
78.00	2.00	1.00	41.00		80.00	10.50	19.10		10.00		14.00	15.40
79.00	2.00	2.00	252.00		153.70	72.70	35.60		28.00	92.70	20.00	50.80
80.00	2.00	1.00	128.00		152.40	60.00	33.00		18.00	89.00		34.30
81.00	2.00	1.00	40.00		100.00	19.10	20.30		18.00	61.00		20.00
82.00	2.00	1.00	49.00		100.00	18.70	20.30		10.00	59.10	10.00	22.00
83.00	2.00	1.00	51.00		104.00	17.30	22.00		10.00	58.00	10.00	19.10
84.00	2.00	1.00	12.00		76.20	11.00	15.20		12.00	50.80	12.00	19.10
85.00	1.00	1.00	26.00		74.00	8.70				46.40		
86.00	2.00	1.00	75.00		100.00	21.40	20.30		12.00	62.20	12.00	54.10
87.00	2.00	1.00	48.00		104.00	18.00	22.00		12.00	55.00	10.00	23.00
88.00	2.00	1.00	147.00		122.00	20.70	27.90		7.00	73.00	8.00	20.30
89.00	2.00	1.00	132.00		139.70	45.40	30.50		16.00	80.00		30.50
90.00	1.00	1.00	88.00		123.00	21.40	24.00		8.00	53.00	10.00	21.00
91.00	2.00	1.00	2.00		54.30	4.70	10.00			40.00		13.00
92.00	1.00	1.00	252.00			73.60	30.50	160.00				
93.00	1.00	1.00	232.00		161.30	55.00	33.50		10.00	80.00	18.00	
94.00	2.00	1.00	252.00		151.80	86.10	31.80		32.00	99.10	22.00	36.80
95.00	2.00	1.00	72.00		116.80	22.30			10.00	54.60	10.00	
96.00	1.00	1.00	41.00		97.00	15.50			8.00	46.40	10.00	
97.00	1.00	1.00	65.00		114.00	20.00			10.00	53.30	12.00	
98.00	1.00	1.00	62.00		104.00	17.60			10.00	54.60	10.00	
99.00	1.00	2.00	133.00		157.00	66.00			18.00	89.50	12.00	
100.00	2.00	1.00	59.00		118.00	23.30	25.40		8.00	57.20	8.00	24.80
101.00	1.00	1.00	89.00		128.00	24.80	24.10		6.00	55.90	7.00	23.50
102.00	1.00	4.00	79.00		125.00	24.70	25.40		8.00	54.60	6.00	26.70
103.00	2.00	1.00	48.00		110.00	17.70	20.30		7.00	50.00	8.00	23.00
104.00	2.00	1.00	156.00		134.50	29.10	25.40		8.00	58.40	7.00	
105.00	2.00	1.00	76.00		107.00	16.80	19.10		8.00	51.40	6.50	16.50
106.00	2.00	1.00	128.00		140.00	32.40	28.00		9.00	63.50	11.00	25.40
107.00	1.00	1.00	60.00		112.00	15.70	23.00	114.00	6.00	47.60	5.00	20.00
108.00	1.00	2.00	73.00		116.00	15.70	20.00	114.00	6.00	52.00	4.00	21.00
109.00	1.00	1.00	78.00		124.50	32.70	25.40	125.00	10.00	66.00	10.00	27.00
110.00	1.00	1.00	155.00		141.00	46.00	28.00		11.00	75.00	10.00	32.00
111.00	1.00	1.00	79.00		110.50	16.00	23.00		6.00	46.00	8.00	19.00
112.00	1.00	2.00	111.00		126.00	18.00	24.00		2.00	58.40	3.00	15.00
113.00	2.00	1.00	48.00	48.00	86.30	13.40	16.00		10.00	51.00	10.00	19.00
114.00	2.00	1.00	85.00		109.00	21.10	21.60		10.00	54.60	10.00	21.60
115.00	1.00	1.00	122.00		127.00	35.50	25.40	132.00	13.00	71.10	12.00	21.10
116.00	2.00	1.00	42.00		90.10	10.00	19.10	88.90		44.50		15.90
117.00	2.00	1.00	12.00	42.50	80.00	11.60	15.00		12.00	55.80	12.00	19.00
118.00	1.00	2.00	97.00		127.00	25.60	27.90	132.00	5.00	57.20	8.00	21.60
119.00	1.00	2.00	97.00		129.00	26.10	26.00	135.00	5.00	135.00	7.00	24.00
120.00	2.00	1.00	78.00		107.00	18.00	20.00		4.00	58.00		22.00
121.00	1.00	1.00	23.00	46.00	86.30	13.50	15.20			50.80		20.30
122.00	1.00	1.00	17.00	50.80	73.00	10.40	15.00		10.00	54.00	14.00	20.00
123.00	2.00	2.00	155.00	59.70	124.00	26.90	25.40		8.00	59.70	8.00	21.60
124.00	2.00	1.00	17.00	42.00	73.60	10.50	12.70			53.30		17.80
125.00	1.00	1.00	97.00		134.00	36.30	26.70	134.60	16.00	74.90	14.00	30.00
126.00	2.00	1.00	54.00		101.00	16.20	22.80	104.00	10.00	47.00	14.00	22.20
127.00	2.00	1.00	167.00		152.00	36.40	32.40	153.70	7.00	62.20	7.00	27.30
128.00	2.00	1.00	52.00		99.00	13.90	20.30		9.00	46.40	10.00	19.10
129.00	1.00	1.00	170.00		164.00	45.90	33.00		7.00	66.00	6.00	29.20
130.00	2.00	1.00	29.00		89.00	12.70	16.50		8.00	50.20	10.00	19.10
131.00	1.00	1.00	76.00	50.00	108.00	18.90	20.30			52.10		21.60
132.00	2.00	1.00	76.00		101.60	16.80	18.50		7.00	56.00	10.00	24.50
133.00	1.00	1.00	127.00		137.00	40.60	27.90	137.00	18.00	96.50		25.40
134.00	1.00	1.00	84.00		105.40	16.00	25.40		6.00	50.80	6.00	14.00
135.00	1.00	1.00	37.00	37.00	54.60	4.90	10.20			40.00		12.70
136.00	2.00	1.00	61.00		92.70	14.10	20.30		8.00	45.80	12.00	17.80
137.00	2.00	1.00	20.00		82.60	12.60	17.10		8.00	50.80	6.00	18.40
138.00	1.00	4.00	25.00		83.80	11.50	17.80		6.00	45.70	9.00	17.80
139.00	2.00	1.00	19.00		78.70	9.60	14.00		10.00	50.20	11.00	18.40
140.00	2.00	1.00	14.00	46.00	75.00	10.40	14.60		10.00			16.50
141.00	2.00	1.00	9.00	49.00	66.00	8.00	10.20			50.20		17.80
142.00	1.00	1.00	169.00		169.00	51.40	36.80	169.00	13.00	77.50	10.00	28.00
143.00	2.00	1.00	98.00		120.70	26.40	28.00	123.20	9.00	62.20	7.00	25.40
144.00	2.00	1.00	17.00	52.10	73.70	11.40	17.80		10.00	54.00	12.00	19.10
145.00	2.00	1.00	207.00		153.70	97.50	35.60	154.90	22.00	109.20	24.00	38.10

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146.00	2.00	1.00	167.00		150.00	67.90	34.30		24.00	88.90		34.30
147.00	1.00	3.00	23.00	44.50	77.00	9.00	15.20		3.00	47.00	3.00	17.10
148.00	2.00	1.00	138.00	50.00	150.00	31.00	30.50		12.00	69.80	10.00	24.10
149.00	1.00	1.00	149.00		136.50	28.10	25.40			63.50		
150.00	1.00	1.00	67.00	48.50	101.60	13.00	17.80		4.00	47.00	10.00	17.80
151.00	2.00	1.00	40.00		90.00	12.10	22.20		4.00	45.70	10.00	17.80
152.00	2.00	1.00	62.00		106.70	20.90	22.90		7.00	67.00	11.00	21.00
153.00	2.00	1.00	3.00	41.00	55.60	5.10	10.20			42.50		14.00
154.00	1.00	1.00	8.00	44.50	63.50	7.50	12.70			48.20		17.80
155.00	2.00	1.00	129.00			14.60	30.50	137.00	18.00	30.50	6.00	20.30
156.00	2.00	2.00	204.00			40.00	30.50	146.00	10.00	66.00	12.00	25.40
157.00	2.00	1.00	96.00		118.00	30.90	25.40		20.00	72.40	16.00	24.80
158.00	2.00	1.00	205.00			62.50	34.30	161.30	30.00	92.70		34.90
159.00	2.00	1.00	132.00		153.70	54.00	33.00		24.00	77.50	22.00	33.70
160.00	1.00	1.00	18.00	44.50	66.00	8.10	11.40		8.00	45.70	10.00	18.40
161.00	2.00	1.00	215.00		132.10	55.60	30.50		21.00	100.30	28.00	
162.00	1.00	1.00	159.00		158.80	69.40	31.80		15.00	89.50	17.00	
163.00	1.00	3.00	162.00		121.90	30.50	29.20		8.00	73.70	10.00	
164.00	1.00	1.00	113.00		80.00	17.80	23.50		5.00	57.20	10.00	
165.00	1.00	1.00	54.00		105.50	17.60	20.30		11.00	53.30	8.00	
166.00	1.00	1.00	8.00		68.60	10.90	12.70		11.00	52.10	13.00	
167.00	1.00	1.00	42.00		99.00	15.80	18.00		15.00	52.10	10.00	
168.00	2.00	1.00	48.00		97.80	14.80	19.50		9.00	49.50	10.00	
169.00	2.00	1.00	128.00		116.90	22.80	26.70		9.00	57.20	14.00	
170.00	2.00	1.00	93.00			44.80	22.90		25.00	95.30	23.00	
171.00	1.00	1.00	12.00		74.90	11.90	13.50		15.00	57.80	18.00	
172.00	1.00	1.00	243.00		163.00	51.60	35.60		12.00	78.70	10.00	
173.00	2.00	2.00	250.00		154.50	82.80	32.40		22.00	109.20	16.00	
174.00	1.00	1.00	21.00		68.60	8.50	12.70		7.00	49.50	11.00	
175.00	2.00	1.00	110.00		127.00	42.00	22.90		21.00	81.30	10.00	
176.00	1.00	3.00	19.00		78.90	11.80	15.20			50.80		
177.00	2.00	1.00	12.00		68.60	8.60	10.20		13.00	48.30	11.00	
178.00	2.00	1.00	36.00		86.40	10.60	19.00		12.00	48.80		
179.00	2.00	1.00	168.00		121.90	53.80	32.00		30.00	119.00	30.00	
180.00	2.00	1.00	26.00		84.50	10.90	17.80		9.00	47.00	10.00	
181.00	2.00	1.00	94.00		111.10	34.90	24.10		34.00	92.10		
182.00	1.00	1.00	117.00			21.80	22.90		8.00	71.10		
183.00	1.00	2.00	44.00		99.00	19.70	19.70		11.00	54.60	16.00	
184.00	2.00	1.00	104.00		125.50	29.40	29.20		17.00	57.20	17.00	
185.00	2.00	1.00	83.00		124.00	35.70	24.10		23.00	73.70	12.00	
186.00	1.00	1.00	98.00		132.00	27.00	26.70		11.00	54.60	6.00	
187.00	2.00	1.00	38.00		101.00	15.70	19.10		10.00	51.40	10.00	
188.00	1.00	1.00	74.00		106.00	15.50	21.60		12.00	49.50	7.00	
189.00	1.00	1.00	93.00		122.00	20.40	23.50		6.00	48.30	7.00	
190.00	1.00	1.00	108.00		129.00	26.80	25.40		11.00	55.20	8.00	
191.00	2.00	1.00	229.00		159.00	45.70	35.60		16.00	66.00	10.00	
192.00	1.00	1.00	149.00		153.00	37.60	29.20		12.00	66.10	12.00	
193.00	1.00	1.00	55.00		102.00	17.70	20.30		8.00	57.80	11.00	
194.00	2.00	1.00	42.00		99.00	16.90	18.00		10.00	52.00	9.00	
195.00	1.00	2.00	69.00		109.00	17.90	20.00		6.00	54.00	4.00	
196.00	1.00	1.00	150.00		145.00	58.10	28.00		22.00	93.00	2.00	
197.00	1.00	1.00	190.00		151.00	47.90	33.00		15.00	71.00	12.00	
198.00	1.00	1.00	132.00		147.00	36.30	29.20		11.00	63.50	2.00	
199.00	2.00	4.00	63.00		113.00	17.30	22.00		5.00	48.30	7.00	
200.00	2.00	1.00	105.00		132.00	35.00	26.00		17.00	75.00		
201.00	2.00	1.00	117.00		133.40	32.50	28.00		14.00	60.00	10.00	
202.00	1.00	1.00	56.00		100.30	18.60	19.00		11.00	52.50	9.00	
203.00	2.00	1.00	172.00		137.10	45.90	21.00		14.00	84.00	10.00	
204.00	2.00	1.00	125.00		134.60	26.10	28.00		10.00	55.90	13.00	
205.00	1.00	1.00	42.00		93.90	14.20	17.50		9.00	52.50		
206.00	1.00	1.00	69.00		109.20	19.30	22.00		8.00	60.00	5.00	
207.00	1.00	1.00	230.00		166.40	94.00	32.50		25.00	106.00	15.00	
208.00	2.00	1.00	31.00		87.60	12.00	18.00		4.00	50.00	6.00	
209.00	1.00	1.00	35.00		88.90	12.00	16.00		6.00	50.00	7.00	
210.00	1.00	1.00	49.00		86.40	10.00	17.90		4.00	46.40	8.00	
211.00	1.00	1.00	68.00		94.00	12.50	19.00		10.00	45.00		
212.00	1.00	1.00	85.00		111.70	15.70	24.00		6.00	49.00	6.00	
213.00	2.00	1.00	79.00		96.50	13.20	20.30		9.00	47.00	10.00	
214.00	1.00	1.00	132.00		150.00	43.30	30.50		15.00	80.60	14.00	
215.00	1.00	1.00	94.00		121.00	23.30	21.60		8.00	54.60	9.00	
216.00	1.00	1.00	70.00		126.50	24.00	22.90		15.00	55.90	13.00	
217.00	1.00	1.00	40.00		99.10	15.00	17.80		6.00	55.20	11.00	
218.00	2.00	1.00	81.00		109.00	18.60	21.60		10.00	53.30	9.00	

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219.00	1.00	1.00	46.00		104.00	21.30	19.70		15.00	57.80	14.00	
220.00	2.00	1.00	38.00		83.80	13.40	15.20		13.00	50.20	13.00	
221.00	2.00	1.00	79.00		96.50	13.20	20.30		9.00	47.00	10.00	
222.00	1.00	1.00	32.00		91.40	13.00	16.50		10.00	53.30	11.00	
223.00	2.00	1.00	130.00		133.40	33.20	25.40		19.00	69.90	11.00	
224.00	1.00	1.00	30.00		78.70	10.20	14.00		8.00	45.70	8.00	
225.00	2.00	1.00	186.00		156.30	64.40	33.00		24.00	83.80	21.00	
226.00	2.00	1.00	231.00		118.10	35.80	26.70		22.00	85.10	26.00	
227.00	2.00	1.00	231.00		151.80	49.40	30.50		14.00	76.20	21.00	
228.00	2.00	1.00	9.00		66.00	6.90	11.40		10.00	45.70	9.00	
229.00	2.00	1.00	60.00		111.00	21.00	22.20		15.00	55.90	9.00	
230.00	1.00	3.00	23.00		81.30	12.20	15.20		7.00	45.70	7.00	
231.00	2.00	1.00	27.00		91.40	13.40	16.50		10.00	55.90	10.00	
232.00	2.00	1.00	156.00		149.90	35.80	31.80		11.00	67.90	14.00	
233.00	1.00	1.00	177.00		134.60	33.20	27.90		9.00	57.20	8.00	
234.00	2.00	1.00	125.00		134.60	26.10	29.00		10.00	55.90	13.00	
235.00	1.00	1.00	157.00		137.20	65.00	31.00		30.00	106.00	30.00	
236.00	1.00	1.00	41.00		93.90	14.20	17.50		9.00	52.50	9.00	
237.00	1.00	1.00	68.00		109.20	19.30	22.00		8.00	60.00	5.00	
238.00	1.00	1.00	230.00		166.40	94.00	32.50		25.00	106.00	15.00	
239.00	1.00	1.00	31.00		87.60	12.00	18.00		4.00	50.00	6.00	
240.00	1.00	1.00	34.00		88.90	12.00	16.00		6.00	50.00	7.00	
241.00	1.00	1.00	36.00		86.40	10.00	17.90		4.00	46.40	8.00	
242.00	1.00	1.00	85.00		111.70	15.70	24.00		6.00	49.00	6.00	
243.00	1.00	2.00	86.00		113.00	17.60	23.00		7.00	54.00	7.00	
244.00	2.00	1.00	132.00		121.90	25.40	24.00		9.00	68.00	6.00	
245.00	2.00	1.00	88.00		102.20	15.80	23.00		3.00	48.00	3.00	
246.00	2.00	2.00	76.00		106.60	14.20	22.00		6.00	46.00	4.00	
247.00	2.00	1.00	55.00		90.70	12.50	17.50		14.00	47.00	12.00	
248.00	2.00	2.00	202.00		152.40	46.40	27.00		20.00	78.00	23.00	
249.00	1.00	2.00	86.00		113.00	38.70	23.00		7.00	54.00	7.00	
250.00	2.00	1.00	117.00		133.40	32.50	28.00		14.00	60.00	10.00	
251.00	2.00	1.00	172.00		137.10	45.90	21.00		14.00	84.00	10.00	
252.00	1.00	1.00	202.00		173.90	129.00	38.00		36.00	140.00	32.00	
253.00	2.00	1.00	94.00		126.40	33.60	20.00		16.00	67.00	16.00	
254.00	1.00	1.00	221.00		142.20	53.00	37.00		4.00	71.00	10.00	
255.00	2.00	1.00	121.00		144.00	56.80	30.50		22.00	89.50	19.00	
256.00	1.00	1.00	147.00		162.60	51.80	36.50		33.00	83.80	16.00	
257.00	2.00	1.00	242.00		133.30	35.00	29.00		10.00	58.50	12.00	
258.00	2.00	1.00	108.00		138.00	56.00	27.00		34.00	85.50	20.00	
259.00	2.00	1.00	119.00		132.10	40.50			23.00	72.00	18.00	
260.00	2.00	2.00	138.00		130.80	63.00	31.80		24.00	95.00	22.00	
261.00	2.00	1.00	42.00		99.00	16.90	18.00		10.00	52.00	9.00	
262.00	1.00	2.00	69.00		109.00	17.90	20.00		6.00	54.00	4.00	
263.00	1.00	1.00	151.00		145.00	58.10	28.00		22.00	93.00	20.00	
264.00	1.00	1.00	190.00		151.00	47.90	33.00		15.00	71.00	12.00	
265.00	1.00	1.00	132.00		147.00	36.30	29.20		11.00	63.50	2.00	
266.00	2.00	4.00	63.00		113.00	17.30	22.00		5.00	48.30	7.00	
267.00	1.00	1.00	86.00		135.00	36.50	28.00		18.00	71.00	12.00	
268.00	2.00	1.00	70.00		124.00	22.40	23.50		12.00	55.80	6.00	
269.00	2.00	1.00	69.00		101.50	17.10	20.00		8.00	54.00	8.00	
270.00	2.00	1.00	174.00		150.50	51.30	31.50		20.00	76.00	28.00	
271.00	1.00	1.00	65.00		116.80	25.80	21.60		10.00	61.00	8.00	
272.00	2.00	1.00	171.00		147.00	55.40	29.80		22.00	89.50	21.00	
273.00	1.00	1.00	48.00		99.10	14.10	19.10		7.00	43.20	8.00	
274.00	1.00	2.00	109.00		114.30	20.00	24.10		10.00	54.60	13.00	
275.00	1.00	1.00	44.00		101.60	15.80	20.30		9.00	54.60	12.00	
276.00	1.00	1.00	109.00		122.60	36.40	26.00		20.00	77.50	15.00	
277.00	1.00	1.00	25.00		80.60	9.00	12.70		9.00	44.50	12.00	
278.00	1.00	1.00	159.00		130.80	23.80	29.20		7.00	57.80	12.00	
279.00	1.00	1.00	118.00		121.90	25.90	25.40		12.00	71.10	18.00	
280.00	1.00	1.00	14.00		77.50	15.20	15.20		8.00	43.80	14.00	
281.00	1.00	2.00	33.00		83.80	14.00	16.50		11.00	52.70	12.00	
282.00	1.00	2.00	149.00		148.60	66.00	33.00		20.00	99.10	28.00	
283.00	1.00	1.00	138.00		132.10	43.40	29.80		22.00	94.00	20.00	
284.00	1.00	3.00	167.00		130.80	33.00	31.80		9.00	80.00	23.00	
285.00	2.00	1.00	172.00		130.20	49.50	27.90		23.00	82.60	14.00	
286.00	2.00	2.00	28.00		88.90	12.20	15.20		12.00	48.90	10.00	
287.00	1.00	1.00	26.00		85.10	13.40	16.50		10.00	53.30	7.00	
288.00	1.00	1.00	199.00		163.80	38.10	34.00		14.00	102.50	8.00	
289.00	1.00	1.00	75.00		109.80	18.40	22.90		9.00	55.90	9.00	
290.00	1.00	1.00	54.00		97.80	15.20	20.30		6.00	55.20	10.00	
291.00	1.00	1.00	81.00		127.00	40.00	27.90		22.00	83.80	22.00	

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292.00	1.00	2.00	129.00		112.40	21.10	25.40		18.00	55.90	15.00	
293.00	2.00	1.00	120.00		115.60	16.20	25.40		4.00	49.50	10.00	

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SUBSCAP	KNEETAP	UPCIRC	ABDOMSK	DISABILIT	LESION LEVEL	bodyfat1	bodyfat2	bmi
4.00	35.60	16.50		1.00		11.290	8.542	11.95915077
22.00	42.50	27.90		1.00		33.340	37.618	24.14266118
6.00	27.90	17.10		1.00		20.350	16.353	14.70588235
4.00	30.50	15.20		1.00		17.910	12.593	15.58670719
22.00	45.70	24.10		1.00		34.810	34.486	22.59215220
4.00	38.10	19.10		1.00		15.700	13.672	14.63498623
5.00	30.50	17.80		1.00		18.640	16.558	15.45454545
4.00	35.60	16.50		1.00		12.760	9.600	15.58460213
26.00	45.70	25.40		1.00		27.060	34.816	22.96875000
5.00	41.90	17.80		1.00		18.520	14.525	14.30267398
5.00	48.30	21.00		1.00		14.230	8.942	15.69498287
10.00		33.00	10.00	2.00	1.00		19.348	18.55287570
5.00		12.70		2.00	2.00		13.672	13.40606509
10.00	15.20	14.00	10.00	2.00	2.00		26.662	18.59504132
10.00				2.00	1.00		20.468	16.58968800
	27.90	20.30		2.00	1.00			18.02884615
8.00	25.40	15.20		2.00	2.00	14.860	17.228	15.63516768
12.00	35.60	27.90	21.00	2.00	1.00	24.010	26.237	28.92026058
8.00	35.60	20.30	10.00	2.00	2.00		17.488	17.29004371
5.00		19.10		2.00	3.00		14.525	12.36686391
18.00	39.40	23.50		2.00	2.00	29.500	31.540	20.62162675
11.00	48.30	20.30		2.00	2.00	12.025	16.682	16.79170025
10.00	17.80	17.80		2.00			23.292	21.35615251
32.00	35.60	27.90		2.00			46.828	29.70144660
12.00	50.80	33.00		2.00	1.00		21.032	27.36466389
28.00	48.20	34.90		2.00	1.00		45.736	33.15284408
8.00	19.10	19.10		2.00			22.625	19.88331440
26.00	50.80	34.90		2.00	1.00		40.750	28.69035889
20.00	41.30	26.00		2.00	1.00		32.632	26.60317789
10.00	47.00	26.00		2.00	1.00		22.625	20.69804463
30.00		33.70		2.00			42.460	46.11259223
8.00		17.80		2.00	1.00		19.300	19.48575326
3.00	30.50	15.90		2.00	1.00		10.557	15.98440697
6.00	34.30	19.10		2.00	1.00		15.612	16.23096811
6.00		15.80		2.00	1.00		15.612	17.30371901
8.00		27.00		2.00	2.00		17.488	
8.00		22.20		2.00	2.00		19.300	
6.00	36.80	19.70		2.00	2.00		13.572	17.16706845
6.00		18.40		2.00	1.00		15.612	17.63072093
8.00	21.60			2.00	3.00			18.60904218
5.00	38.00	20.30		2.00		13.495	10.978	15.68603137
27.00	48.30	33.00		2.00	1.00	33.160	40.822	30.14513540
				2.00	1.00			
3.00	36.80	20.30		2.00	1.00	12.760	8.542	16.55403311
5.00	30.50	17.80		2.00	1.00	14.965	11.668	15.26251526
4.00	22.90	15.20		2.00	3.00	14.860	13.572	13.29204979
6.00	53.30	27.90		2.00	1.00	13.495	8.878	22.26298554
2.00	34.30	16.50		1.00		11.200	5.012	13.28641195
4.00	30.50	17.10		1.00		11.290	11.668	15.31857588
6.00	29.20	17.10		1.00		15.470	17.228	16.12080400
4.00	36.80	17.40		1.00		13.640	11.588	14.10911045
4.00	36.80	18.40		1.00		14.230	13.672	15.02341311
				3.00				19.11460710
				3.00				17.95555641
				3.00				16.85813765
				3.00				14.92194674
				3.00				16.28927670
				3.00				24.97331841
				3.00				18.60003720
				3.00				16.56942867
				3.00				25.63997305
				3.00				26.79840070
				3.00				14.06326828
	29.00			3.00				16.32248162
	34.30			3.00				20.25280092
8.00	33.00	20.30		3.00		20.110	21.048	19.15685875
		12.70		4.00				14.48088044
2.00	22.20	15.20		4.00		9.820	5.272	11.92236797
8.00	25.40	15.90		2.00	1.00	14.230	19.300	16.04029706
18.00	31.80	37.50		2.00	2.00		23.600	
19.00	38.10	24.10		2.00	3.00	28.280	34.816	24.72350624
7.00	32.00	18.30		2.00	2.00	18.640	16.558	12.72135152

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10.00				2.00		21.580	21.048	18.41993774
7.00	25.40	17.40		2.00		18.520	18.077	15.81635816
15.00	17.80	30.50		2.00	1.00	27.670	27.692	30.04329976
	49.50	30.50		2.00	2.00	28.280		29.36394762
14.00	48.20	26.70		2.00	1.00		25.700	23.41585873
2.00	22.90	16.50		2.00	2.00	19.740	11.588	16.40625000
	50.80	31.80		2.00		34.380		30.77419319
18.00	47.00	30.50		2.00	1.00		29.356	25.83338500
10.00	28.00	20.30		2.00	2.00		24.548	19.10000000
10.00	28.00	20.30		2.00	2.00	17.300	18.900	18.70000000
8.00	29.20	19.10		2.00	2.00	17.300	17.228	15.99482249
9.00	17.80	17.80		2.00	2.00	19.740	19.697	18.94448233
				2.00	3.00			15.88750913
14.00	28.00	21.60		2.00	1.00	19.740	23.292	21.40000000
4.00	29.00	18.00		2.00	1.00	18.520	15.452	16.64201183
10.00	35.50	17.70		2.00	3.00	14.250	16.353	13.90755173
10.00	42.00	31.10		2.00	3.00		23.292	23.26285644
4.00	36.80	17.80		2.00	1.00	14.230	11.668	14.14501950
	14.00	13.00		2.00				15.94036269
	35.60			2.00	2.00			
12.00	37.50	29.00		2.00	2.00	21.580	17.248	
38.00	48.50	35.60		2.00	1.00	38.040	47.920	37.36453728
5.00				1.00		17.300	14.525	16.34628917
4.00				1.00		14.230	11.668	16.47358912
5.00				1.00		17.170	14.650	15.38935057
4.00				1.00		15.700	13.672	16.27218935
8.00				1.00		23.050	22.852	26.77593411
5.00	38.10	19.10		1.00		14.860	12.593	16.73369721
4.00	39.40	17.20		1.00		10.555	9.600	15.13671875
4.00	38.10	19.10		1.00		11.290		15.80800000
6.00	32.00	17.00		1.00		14.250	12.593	14.62809917
8.00	39.30	22.00		1.00		14.250	15.452	16.08601318
5.00	28.00	17.80		1.00		13.945	12.593	15.67377063
8.00	43.20	21.00		1.00		17.300	16.353	16.53061224
3.00	33.00	15.00		1.00		9.085	8.542	12.51594388
4.00	35.50	15.00		1.00		8.350	8.100	11.66765755
11.00	36.00	24.00		1.00		15.700	20.182	21.09643393
10.00	46.00	28.00		1.00		16.435	18.482	23.13766913
4.00	30.50	17.00		4.00		11.290	9.600	13.10374480
1.00	36.00	15.00		4.00		4.675	0.358	11.33786848
6.00	21.50	16.00		3.00		17.300	15.452	17.99215596
8.00	33.00	19.10		3.00		17.300	17.228	17.75944786
12.00	35.60	24.10		4.00		19.375	23.550	22.01004402
	22.90	15.20		4.00				12.31828983
8.00	20.00	17.80		2.00	2.00	19.740	18.900	18.12500000
4.00	40.60	20.30		4.00		10.555	7.042	15.87203174
6.00	40.50	20.50		4.00		9.820	9.142	15.68415360
2.00	25.40	19.00		2.00	2.00		5.012	15.72189711
	22.90	17.80		3.00				18.12642578
6.00	18.00	18.00		2.00	3.00	18.640	15.612	19.51585663
	38.10	19.10		3.00		14.860		17.49479709
	19.10	16.50		3.00				19.83565690
9.00	41.90	22.20		1.00		23.050	23.550	20.21608376
5.00	29.80	17.80		1.00		19.740	14.525	15.88079600
7.00	45.70	21.00		1.00		13.640	13.572	15.75484765
5.00	29.20	14.60		1.00		16.690	13.572	14.18222630
8.00	49.50	22.90		1.00		10.555	12.950	17.06573468
5.00	22.90	15.20		1.00		16.080	12.593	16.03332913
	30.50	17.80		3.00				16.20370370
8.00	31.00	18.00		3.00		15.470	14.525	16.27503255
20.00	40.60	26.70		2.00	1.00		31.354	21.63141350
3.00	28.00	16.50		2.00	2.00	9.820	8.542	14.40252908
	14.00	14.00		2.00				16.43655490
4.00	24.10	16.50		2.00	2.00	17.300	11.588	16.40815101
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5.00	21.60	15.90		3.00		12.025		16.37607441
6.00	20.30	15.90		3.00		17.910	15.452	15.49964561
6.00	16.50	15.40		2.00	3.00		15.452	18.48888889
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8.00	35.60	21.00		2.00	2.00	14.860	16.353	18.12130152
6.00	20.30	16.50		2.00	3.00	18.520	15.452	20.98794298
24.00	43.20	36.80		2.00	2.00	33.160	34.816	41.27212980

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2.00	26.70	17.10		4.00		13.640	5.012	14.93827160
7.00	33.00	19.10		4.00		16.080	13.572	18.35766529
	13.00	10.20		2.00	2.00			16.49759329
	12.70	15.20		3.00				18.60003720
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16.00	35.60	22.90		2.00	1.00	27.060	29.356	22.19189888
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18.00	45.70	27.90		2.00	1.00	33.160	32.632	22.85841035
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22.00		29.50		1.00		26.450	30.571	27.63376932
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22.00	38.10	25.40		3.00		20.960	27.692	29.20002548
6.00	25.40	15.90		4.00		15.700	15.452	15.43676557
5.00	22.90	15.90		4.00		17.910	18.402	18.50315037
26.00	46.50	32.00		3.00		13.495	29.150	14.20028893
4.00	31.80	17.70		4.00		14.250	9.600	15.26205952
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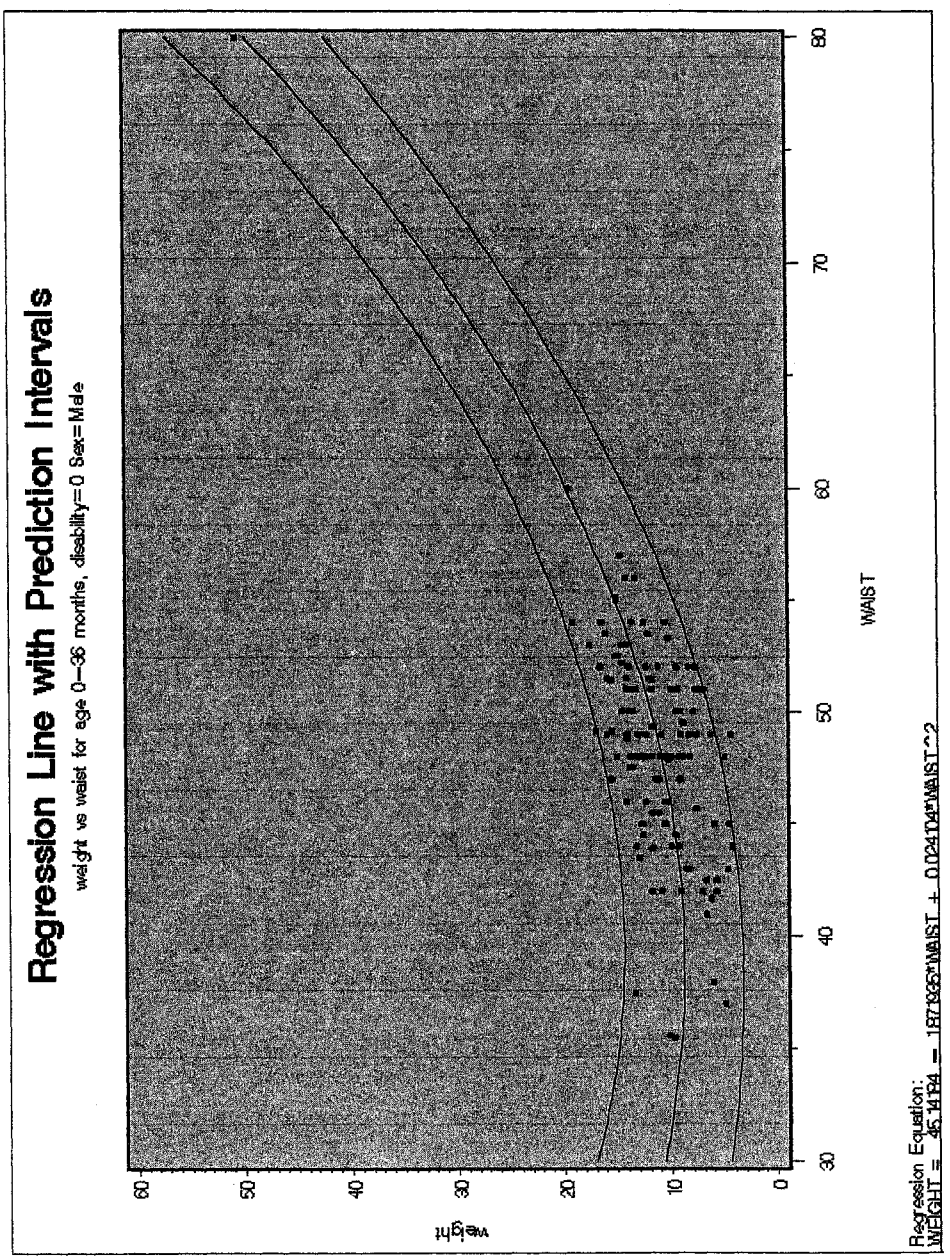
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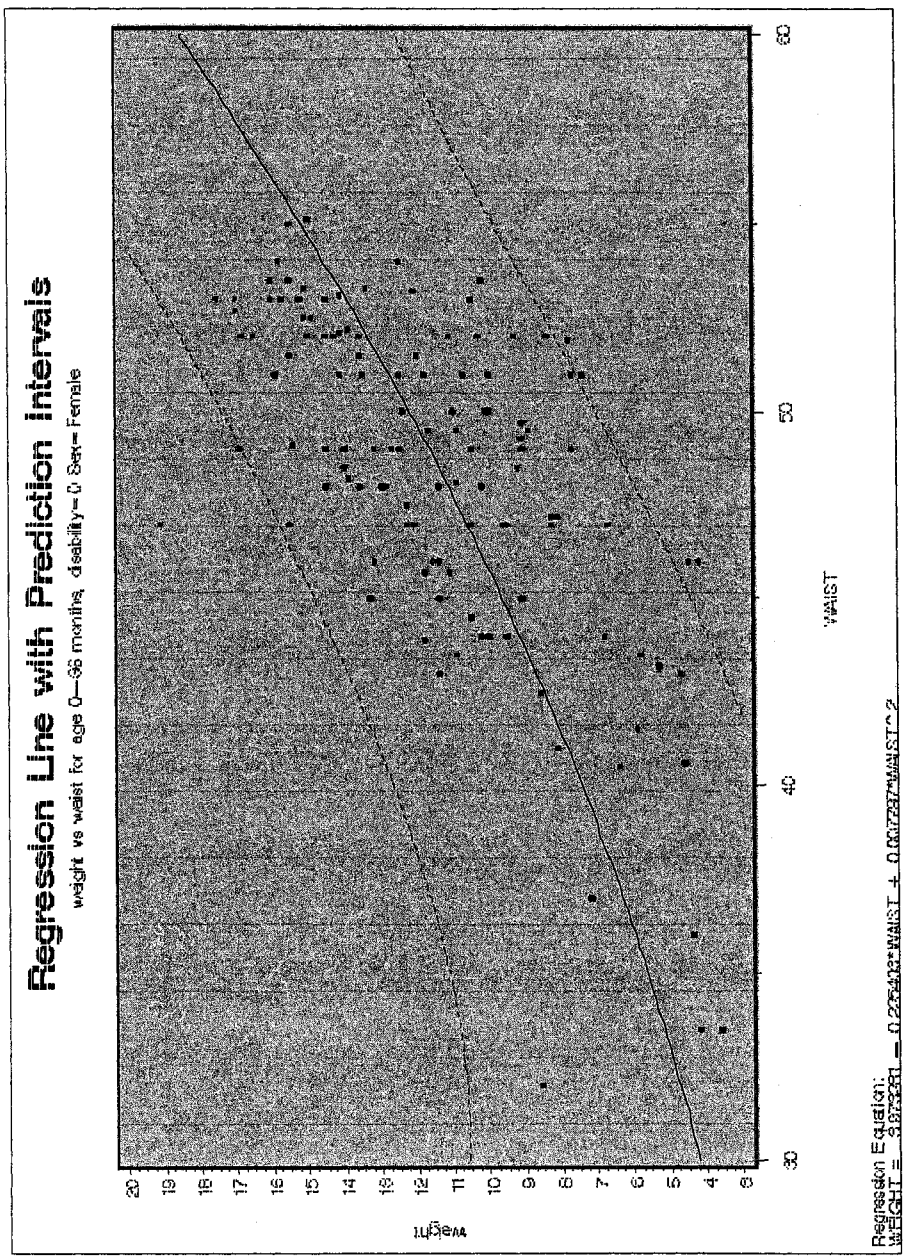
APPENDIX H

LINEAR REGRESSION GRAPHS
WAIST CIRCUMFERENCE TO WEIGHT, AGE, PERCENT BODYFAT, BMI
GENERAL POPULATION

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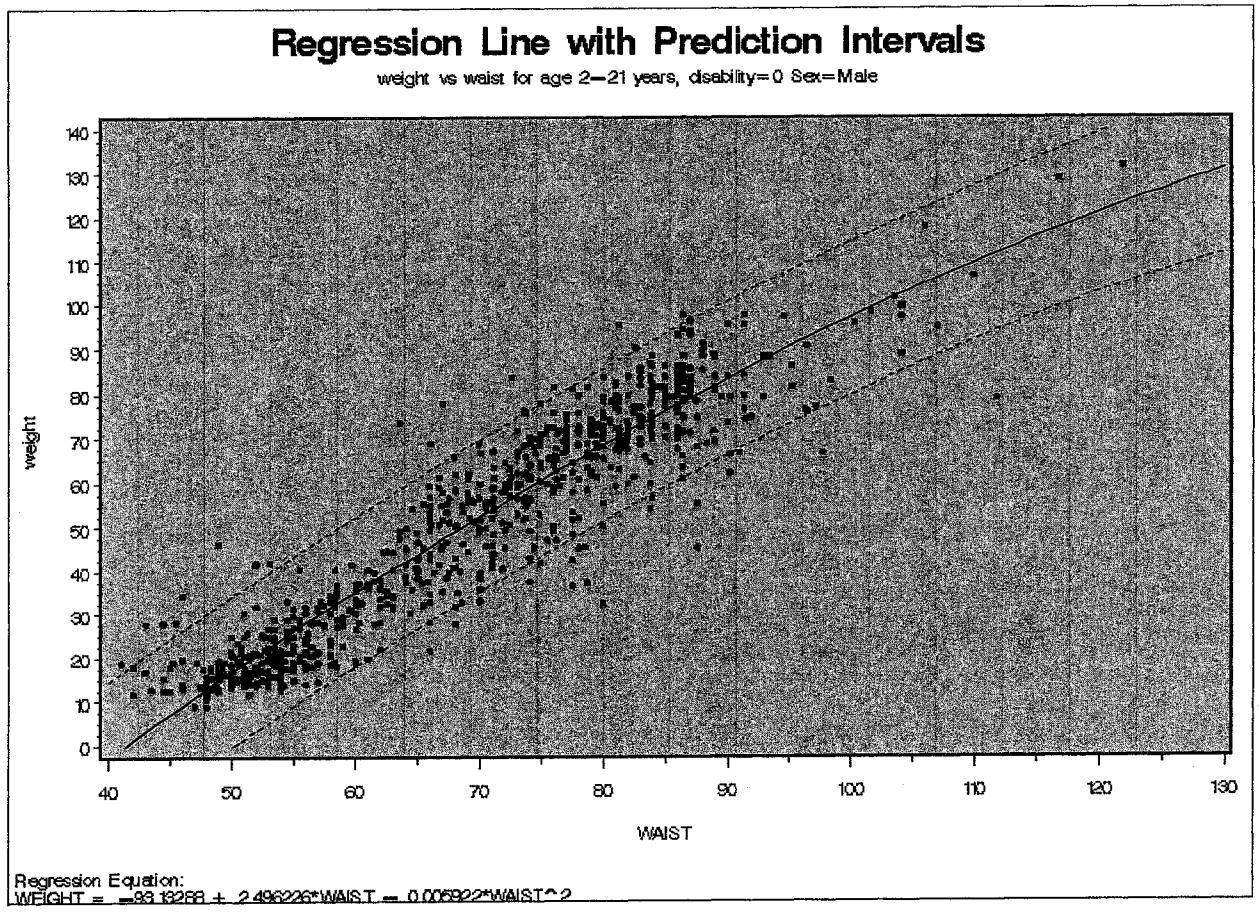


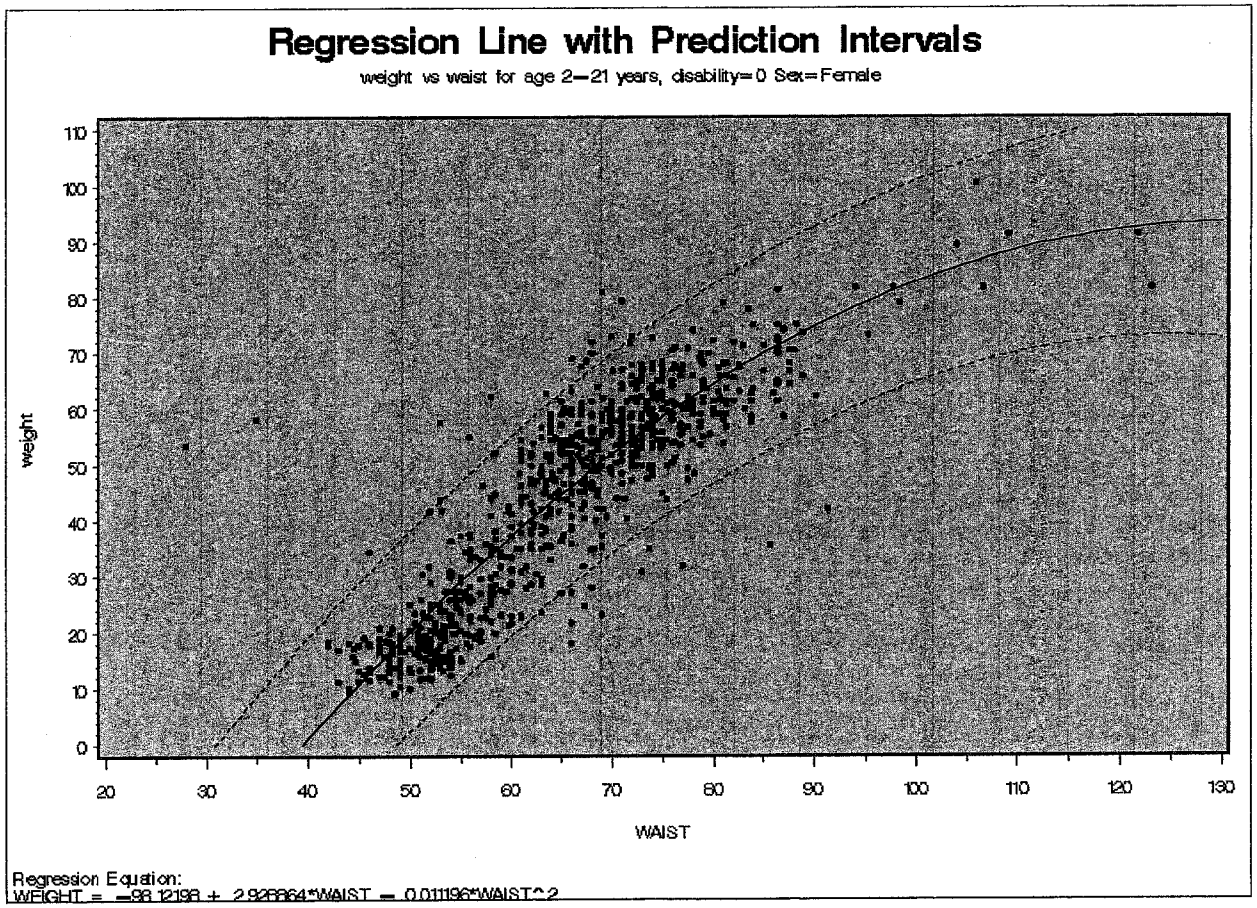
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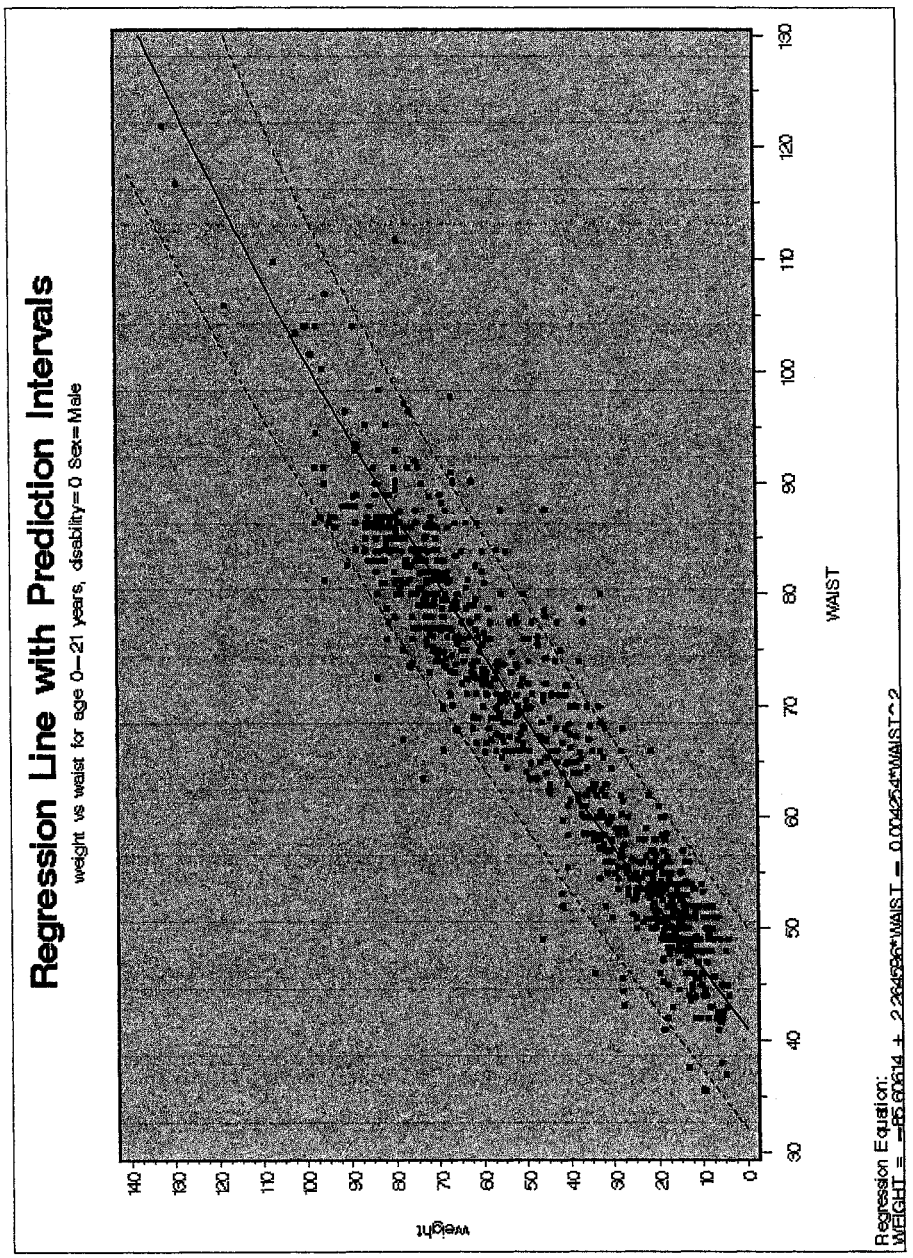
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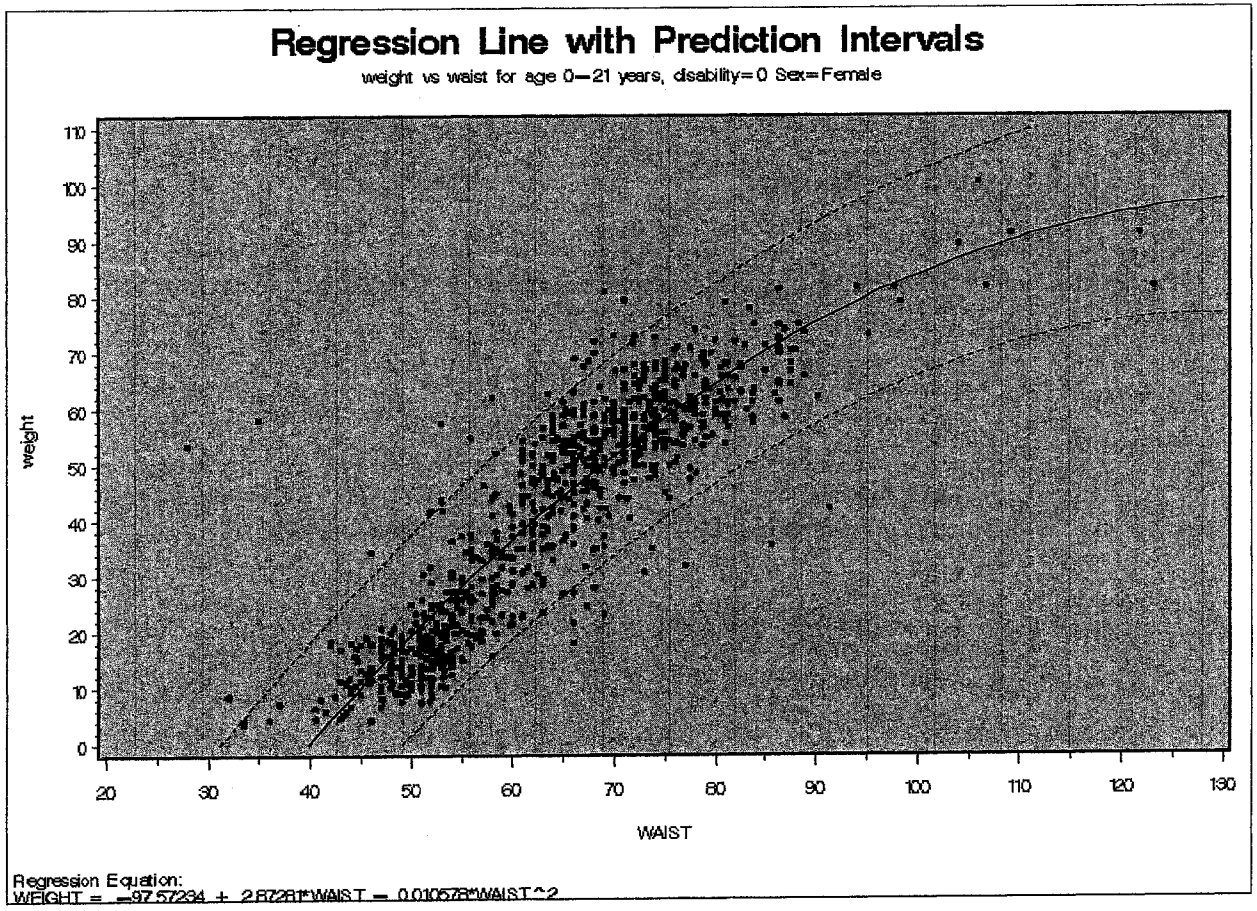




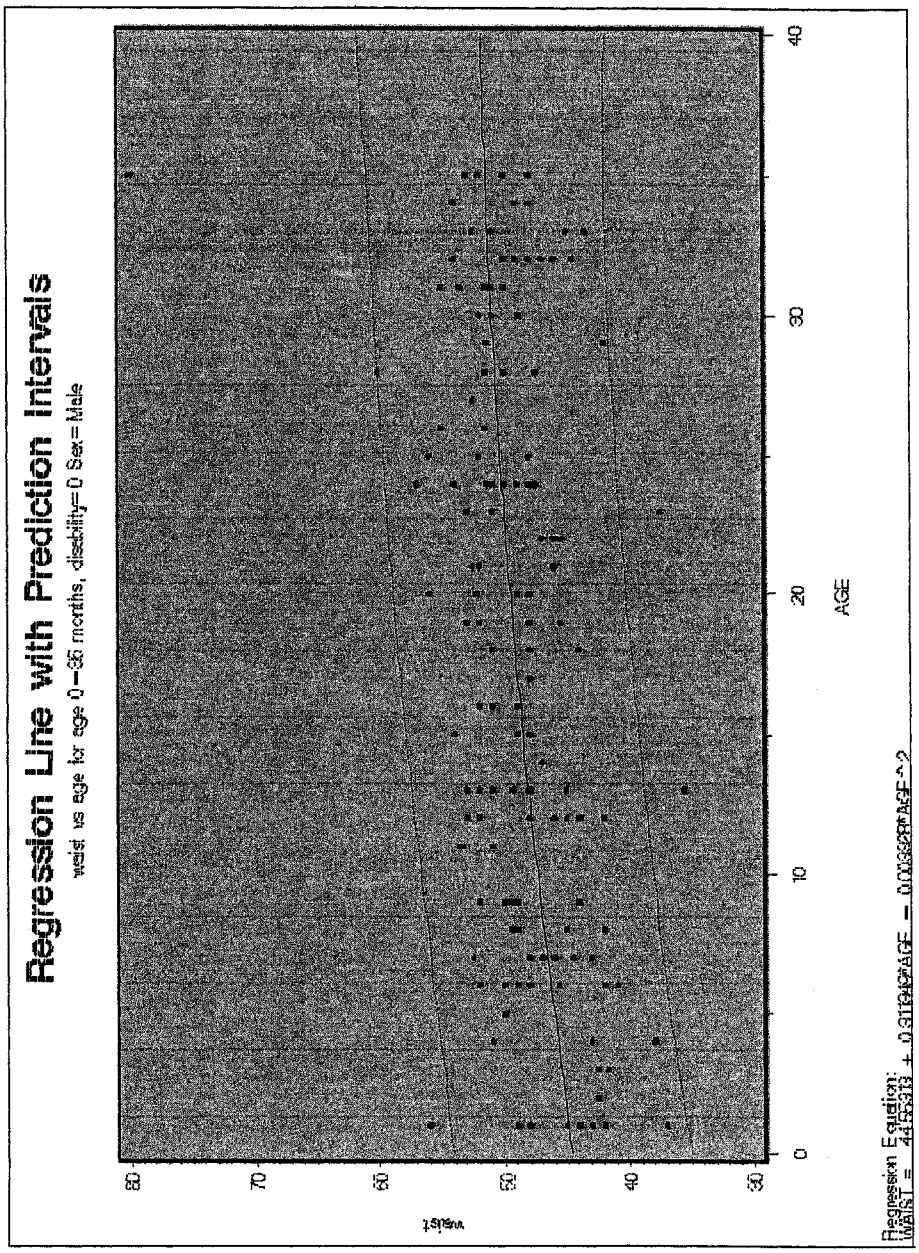
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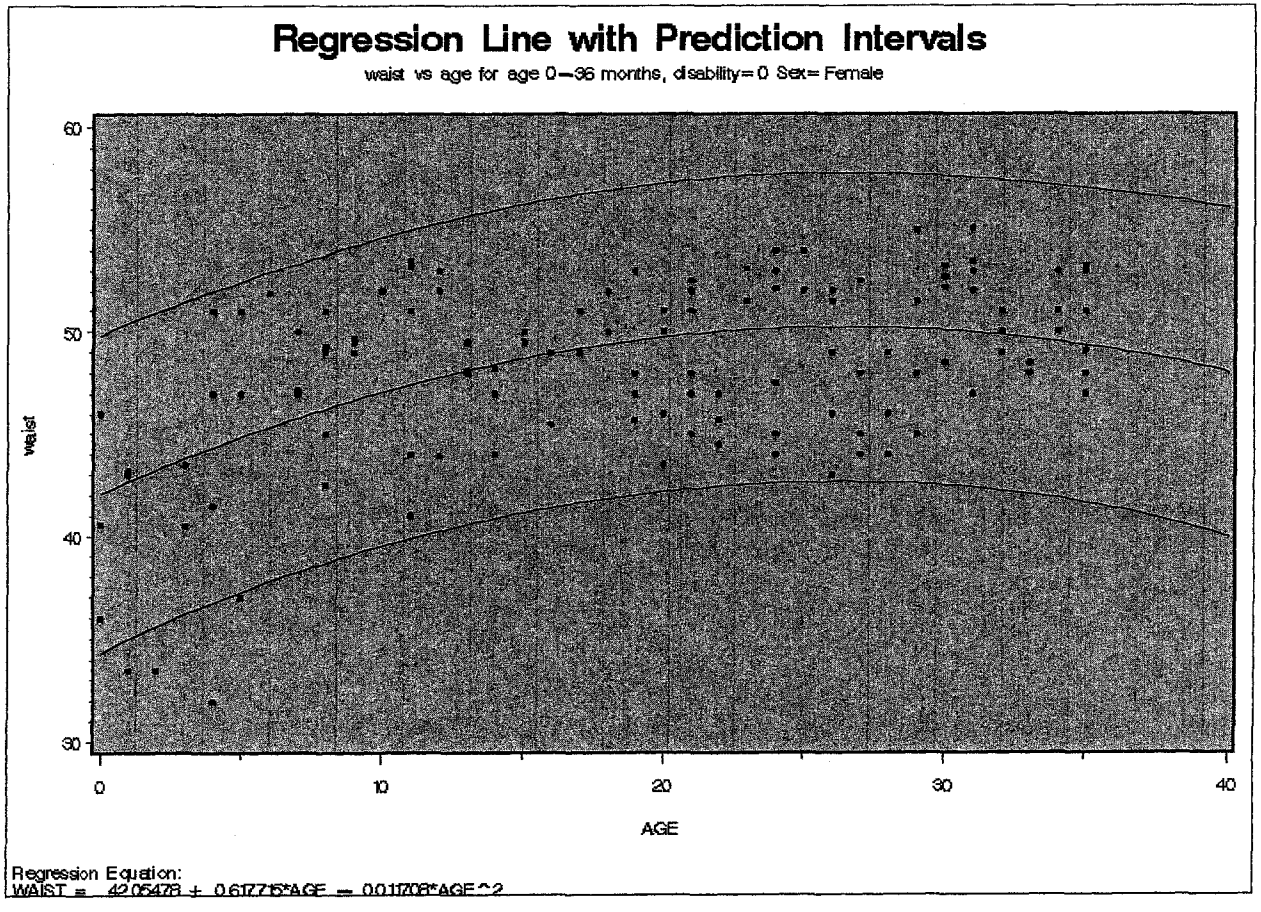


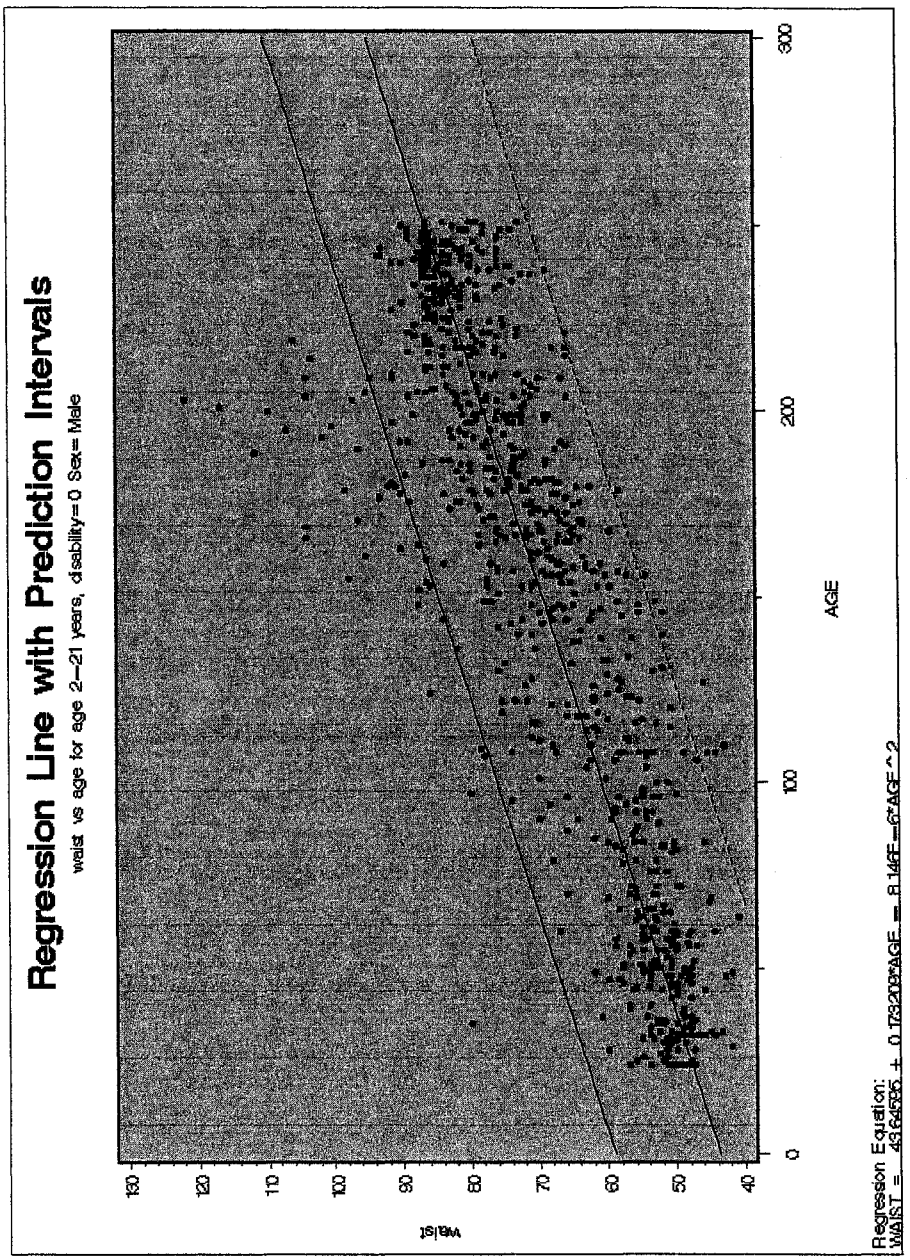
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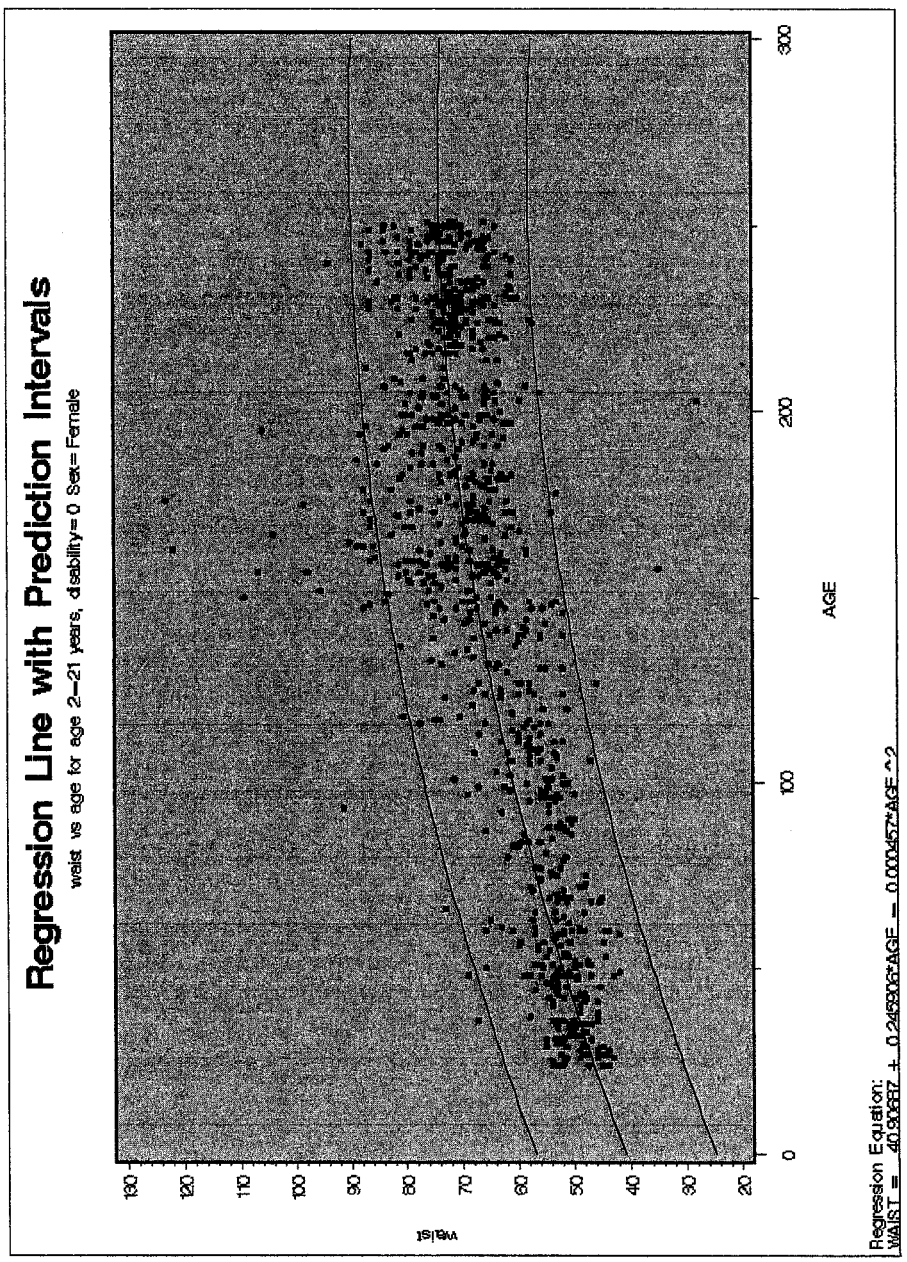
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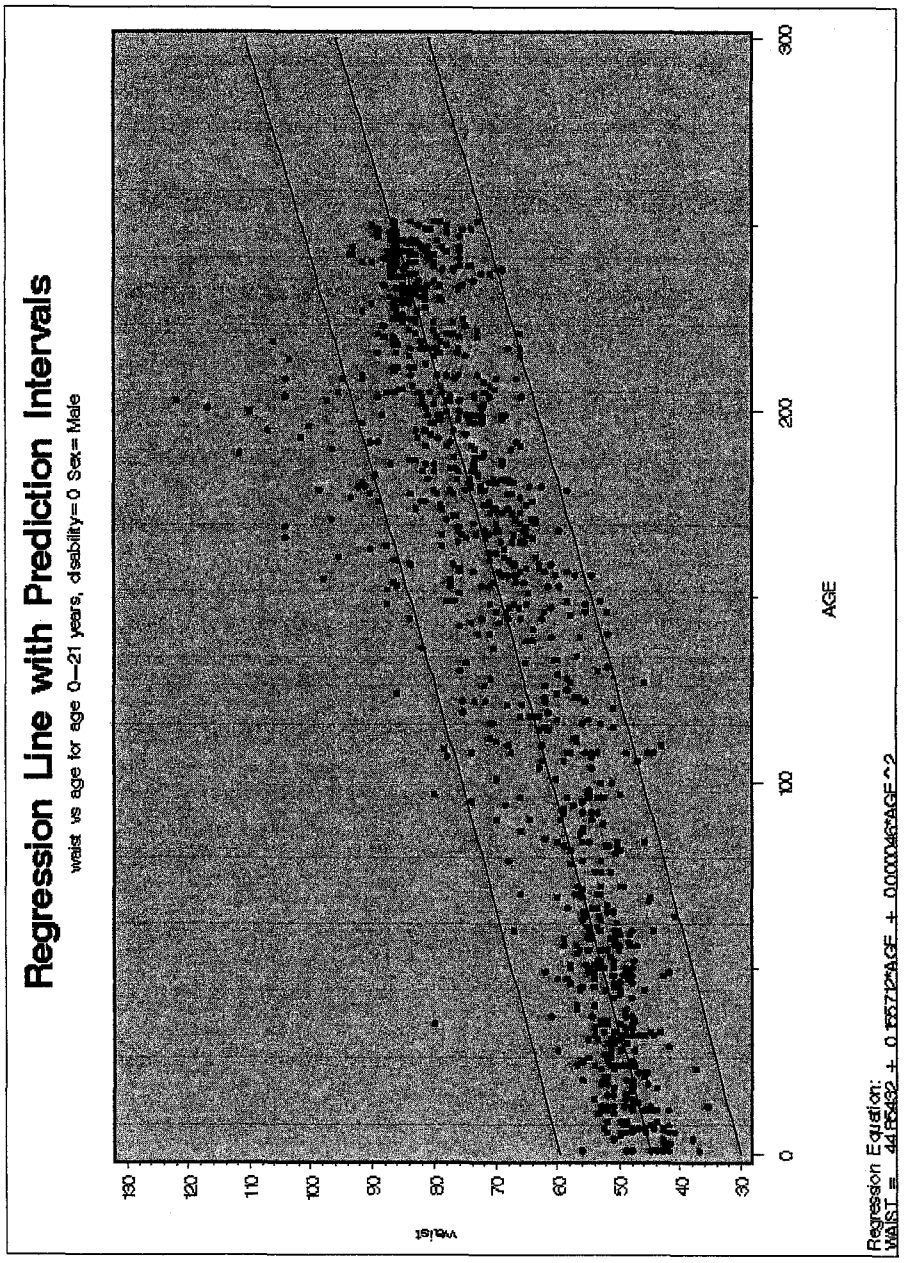




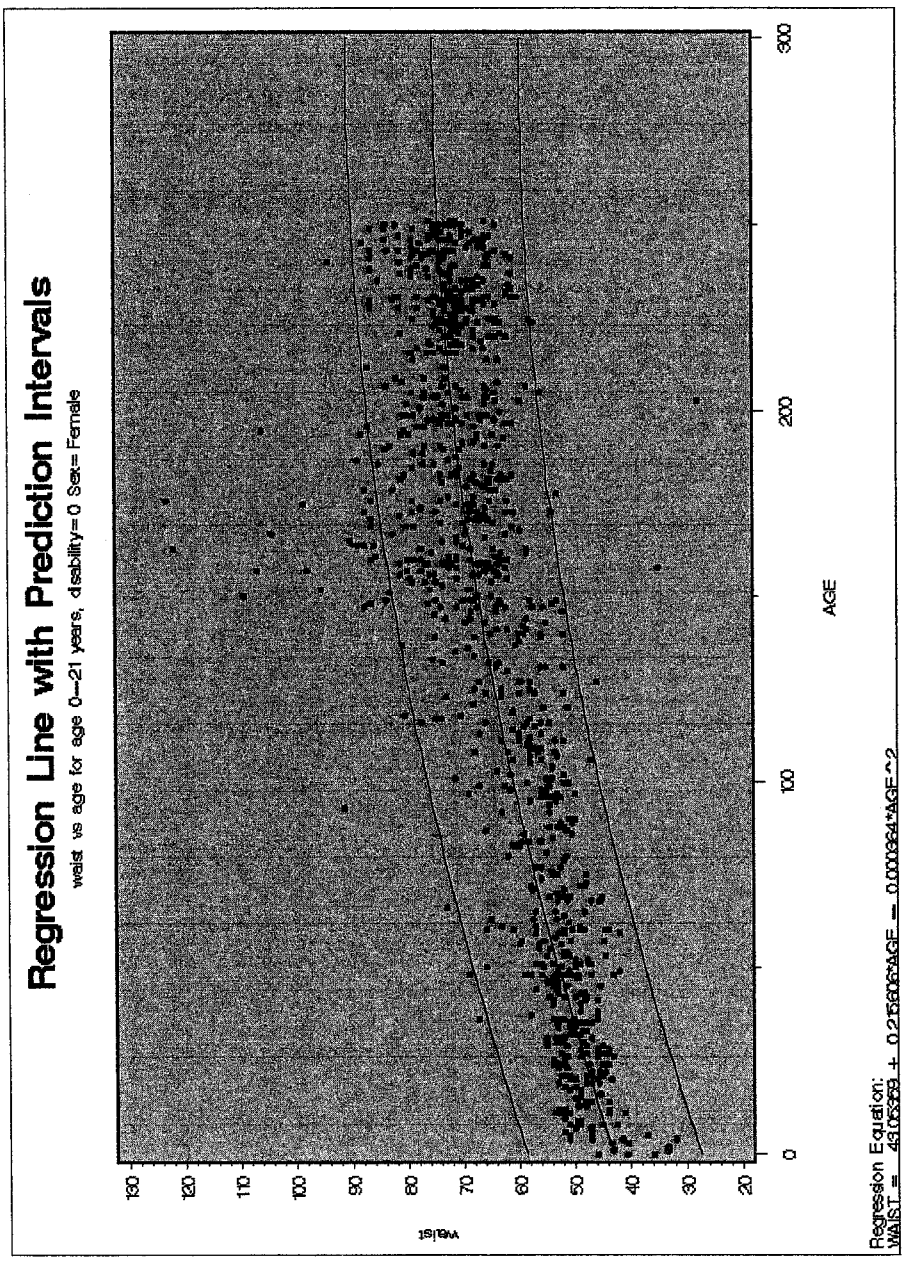
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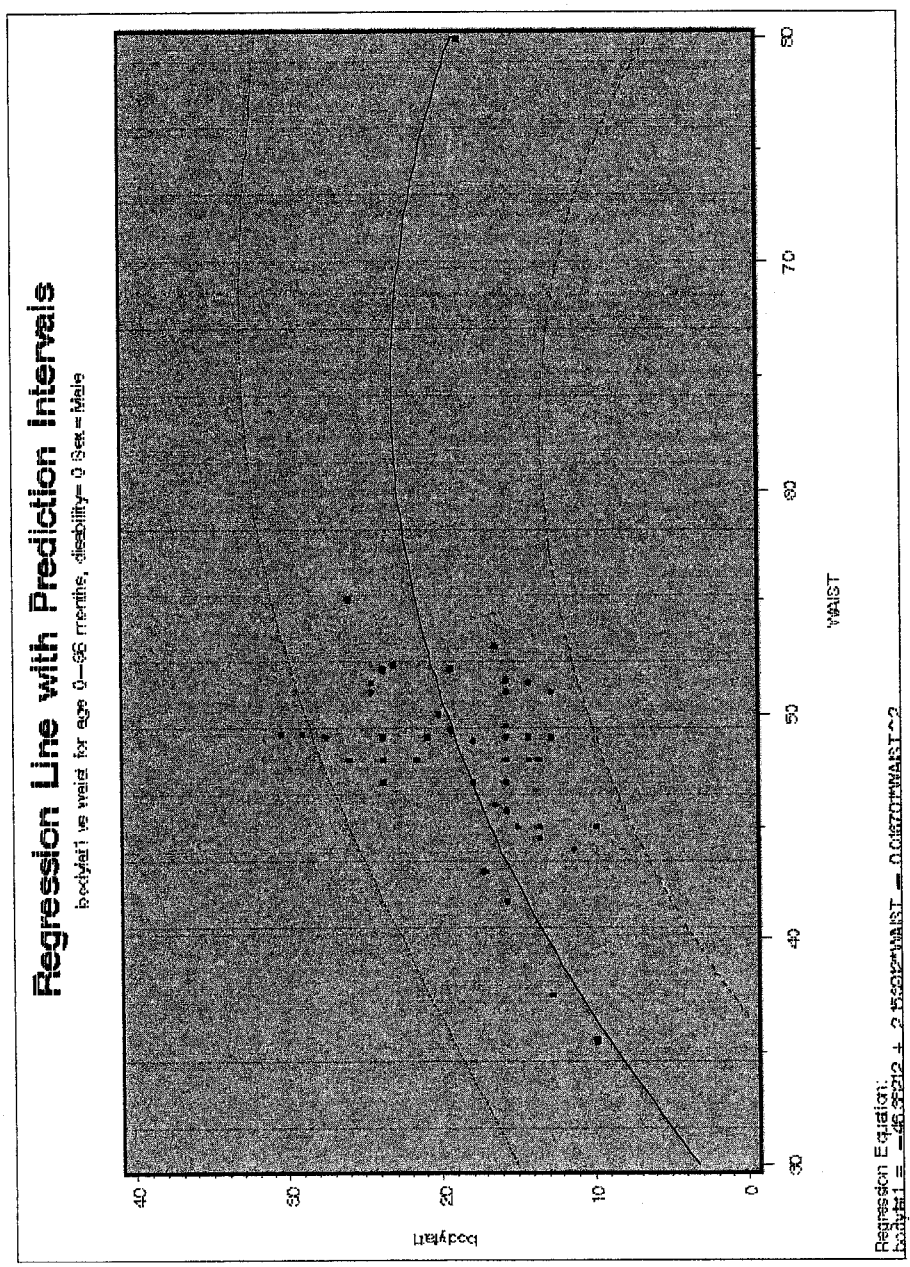
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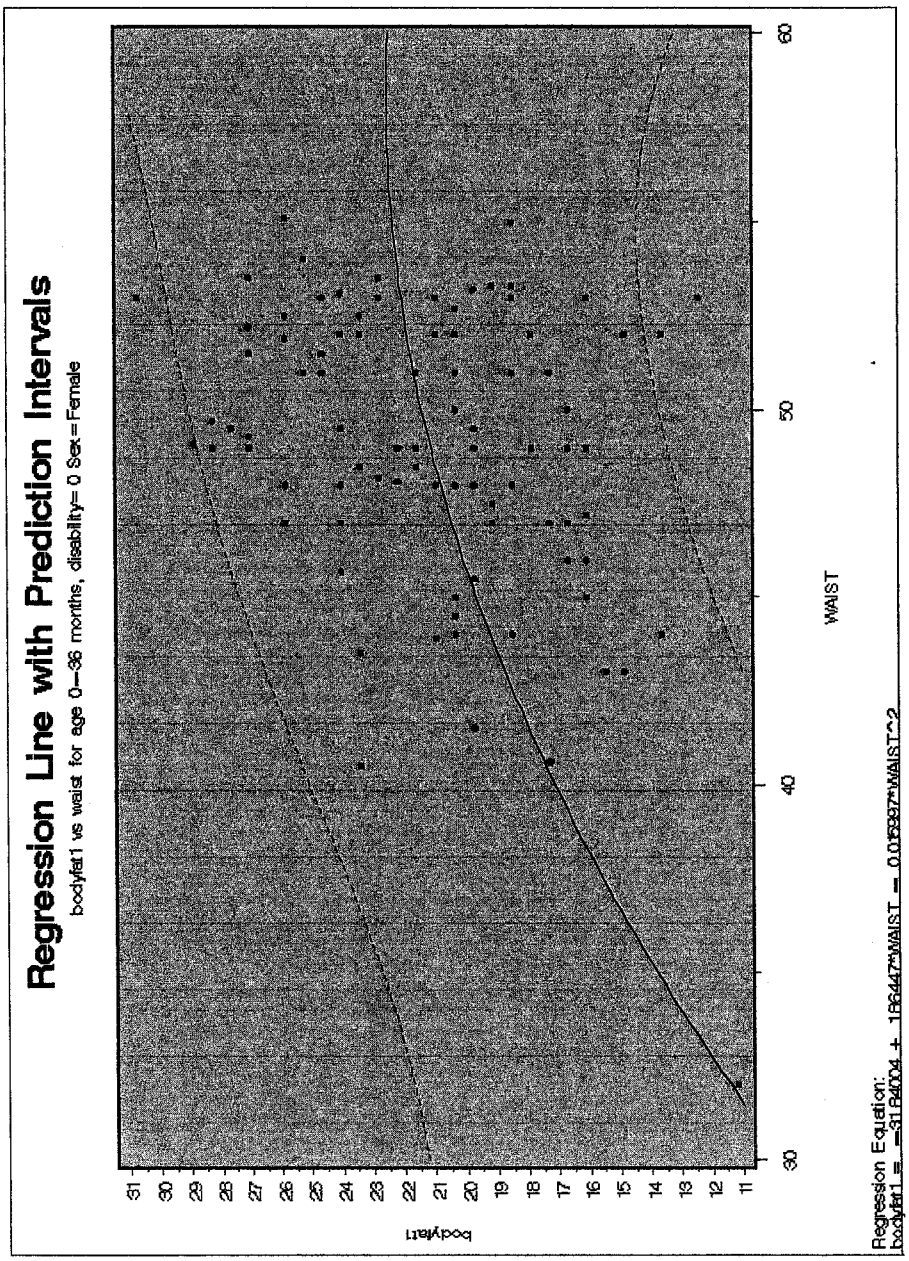
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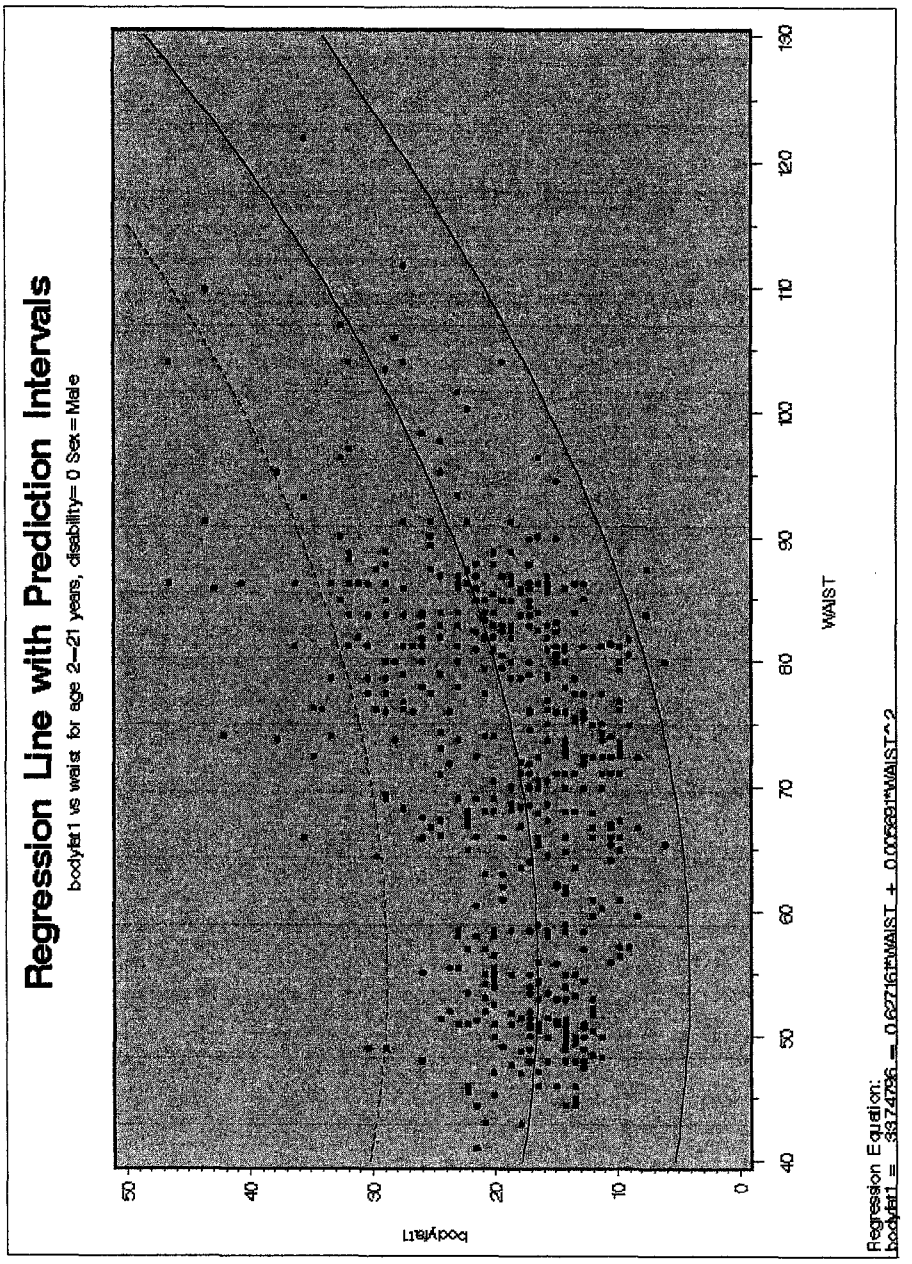
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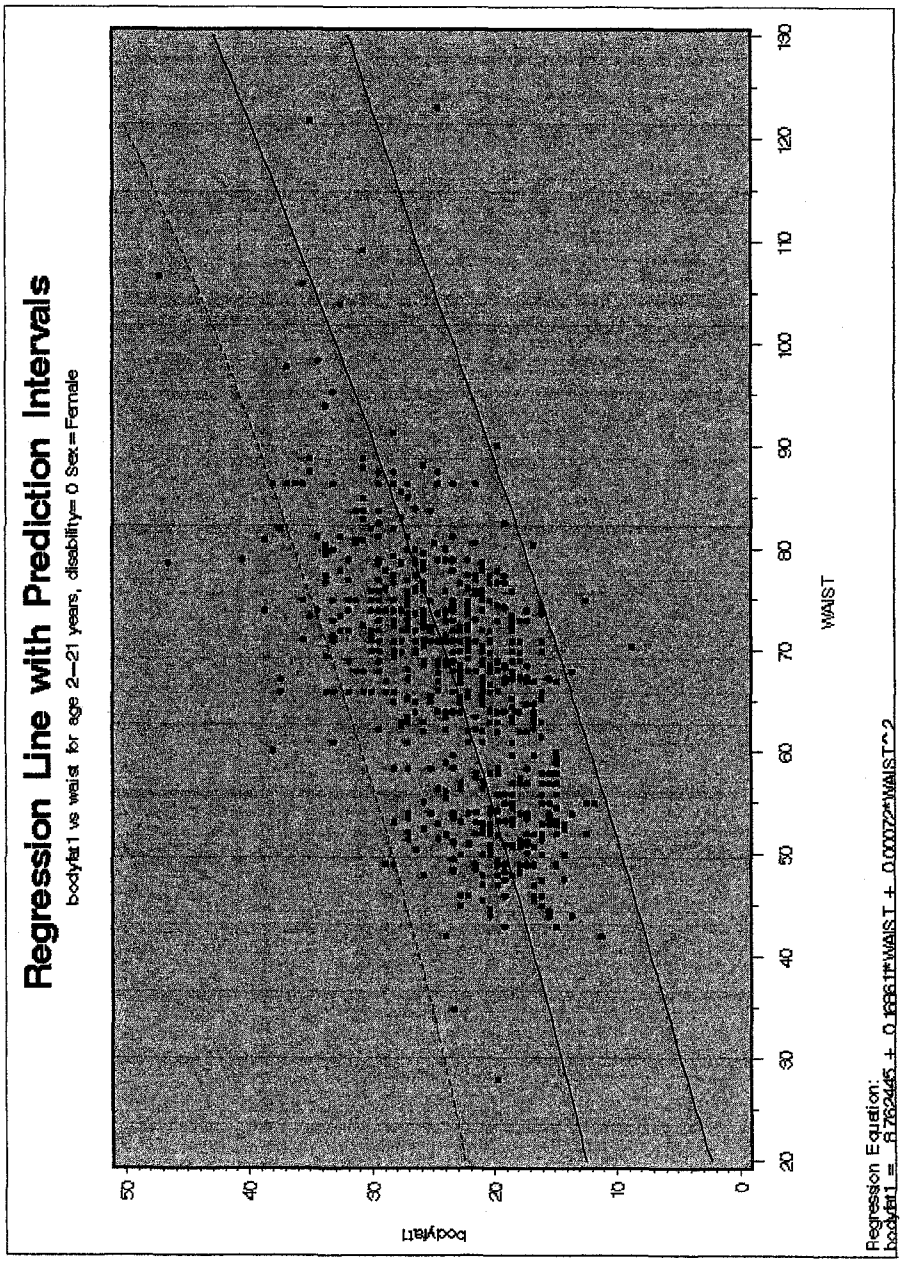
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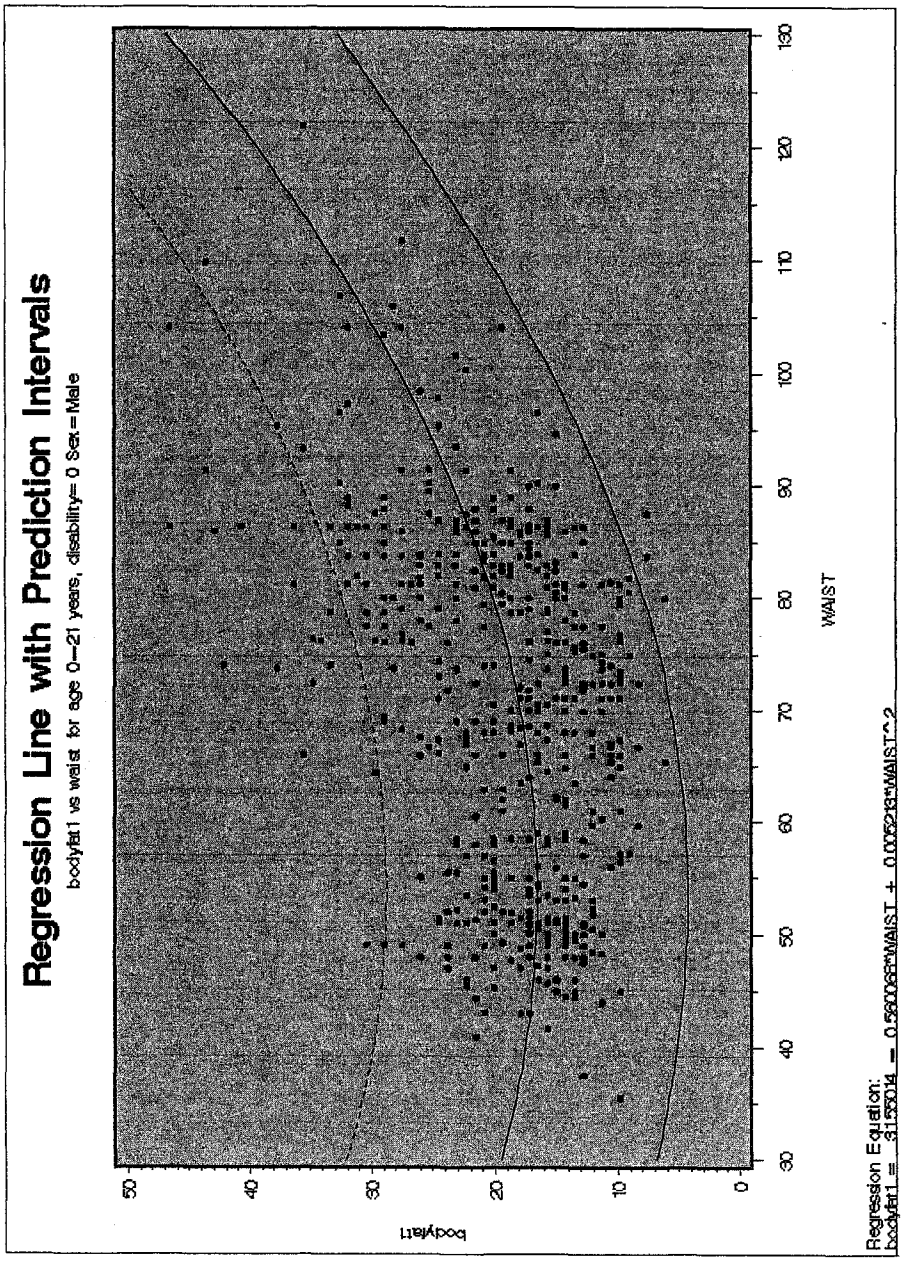
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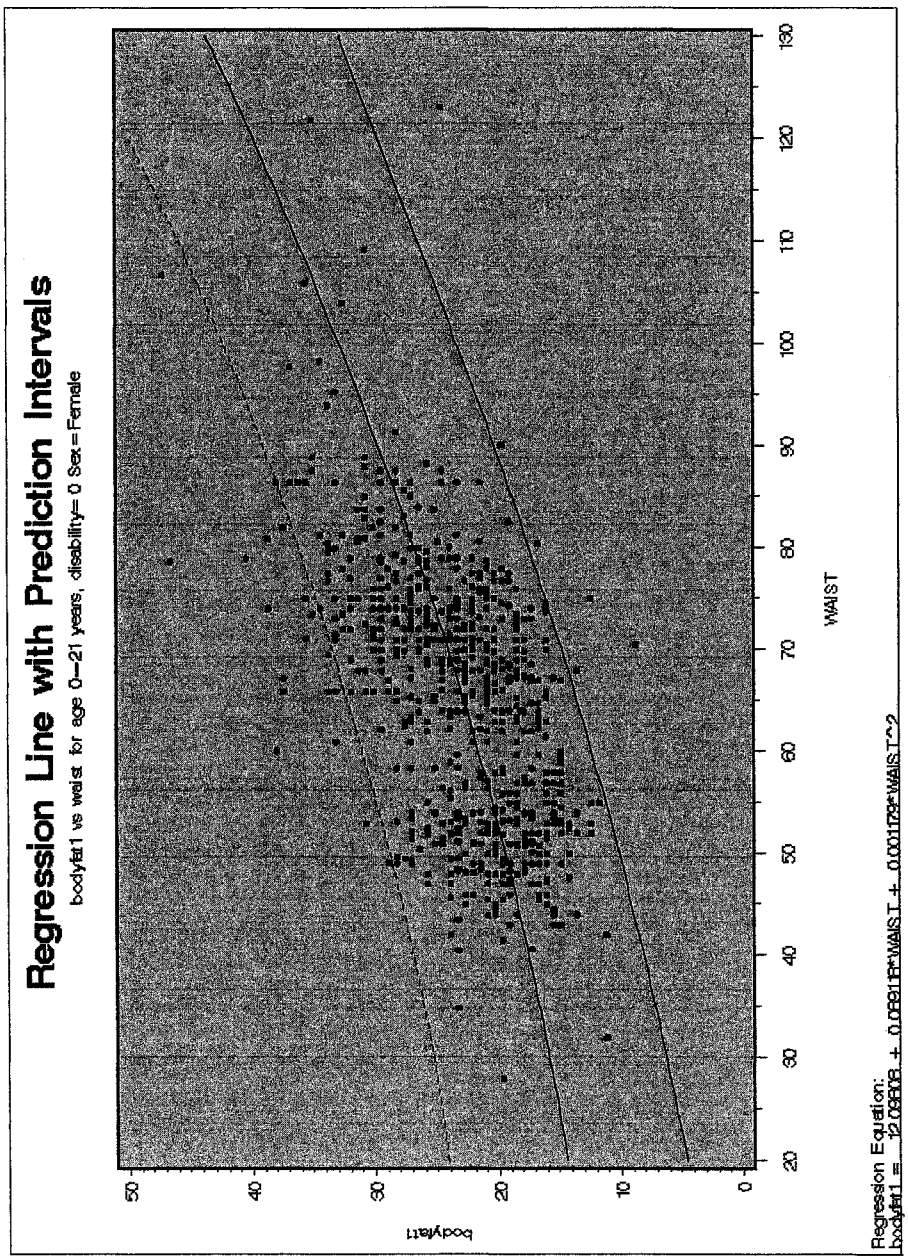
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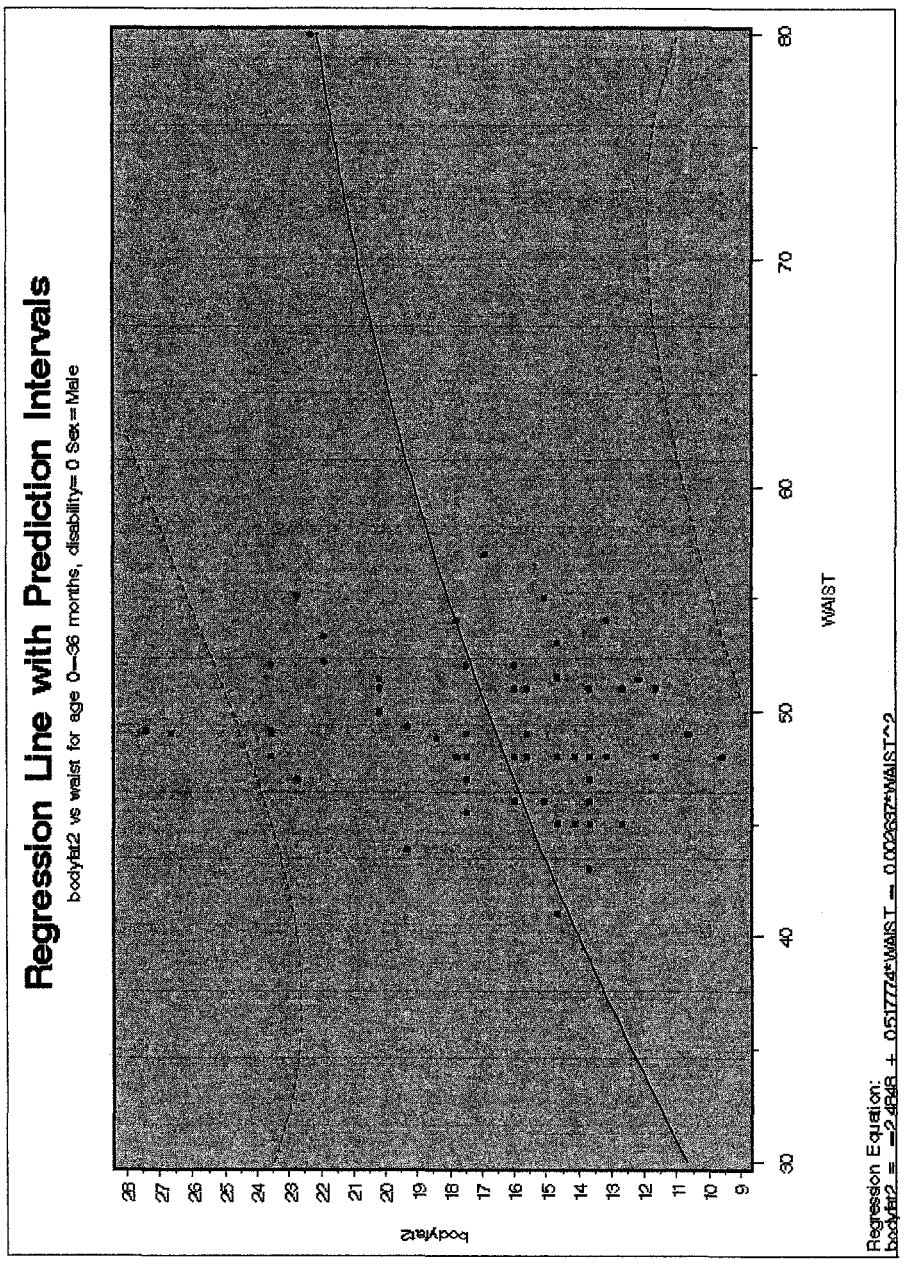
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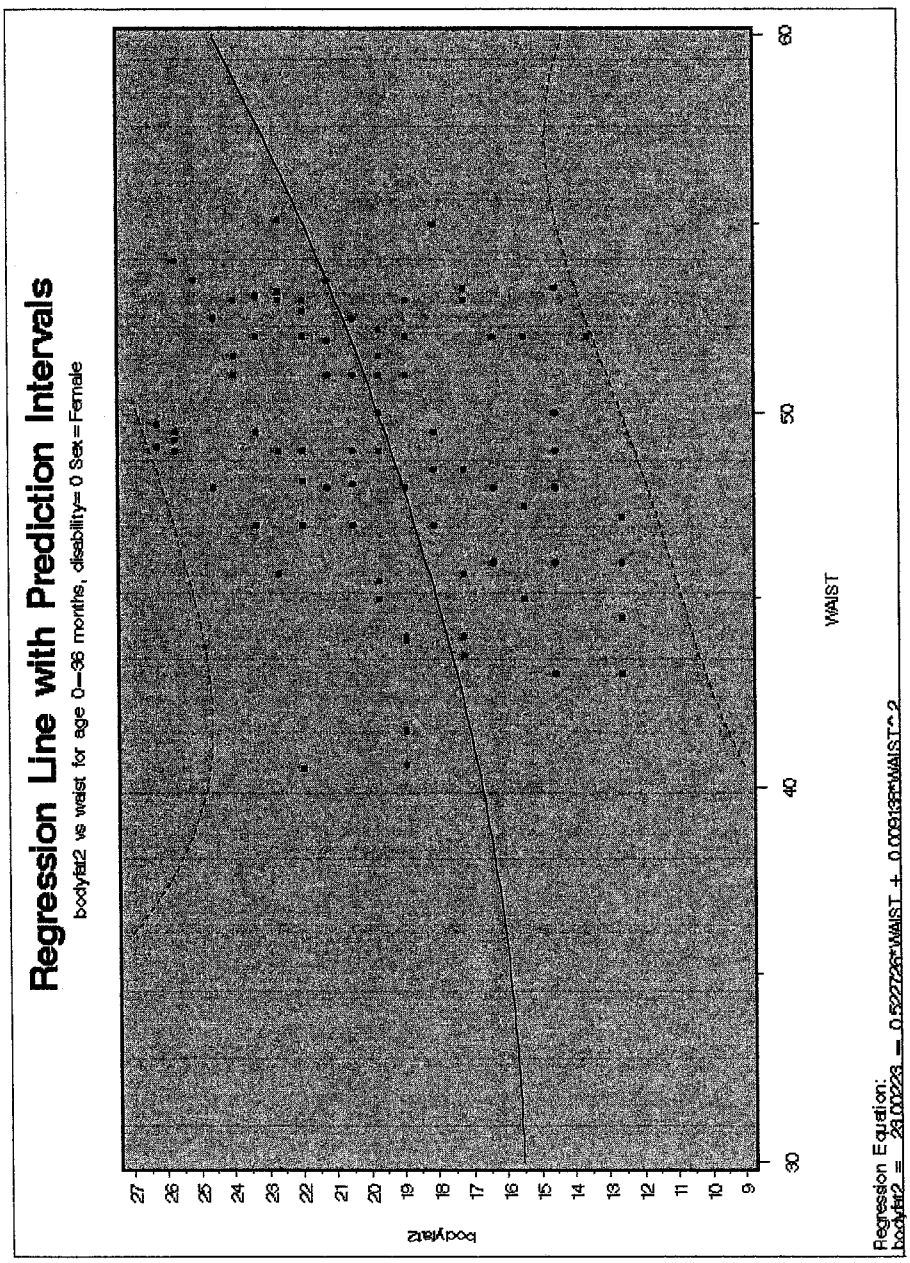
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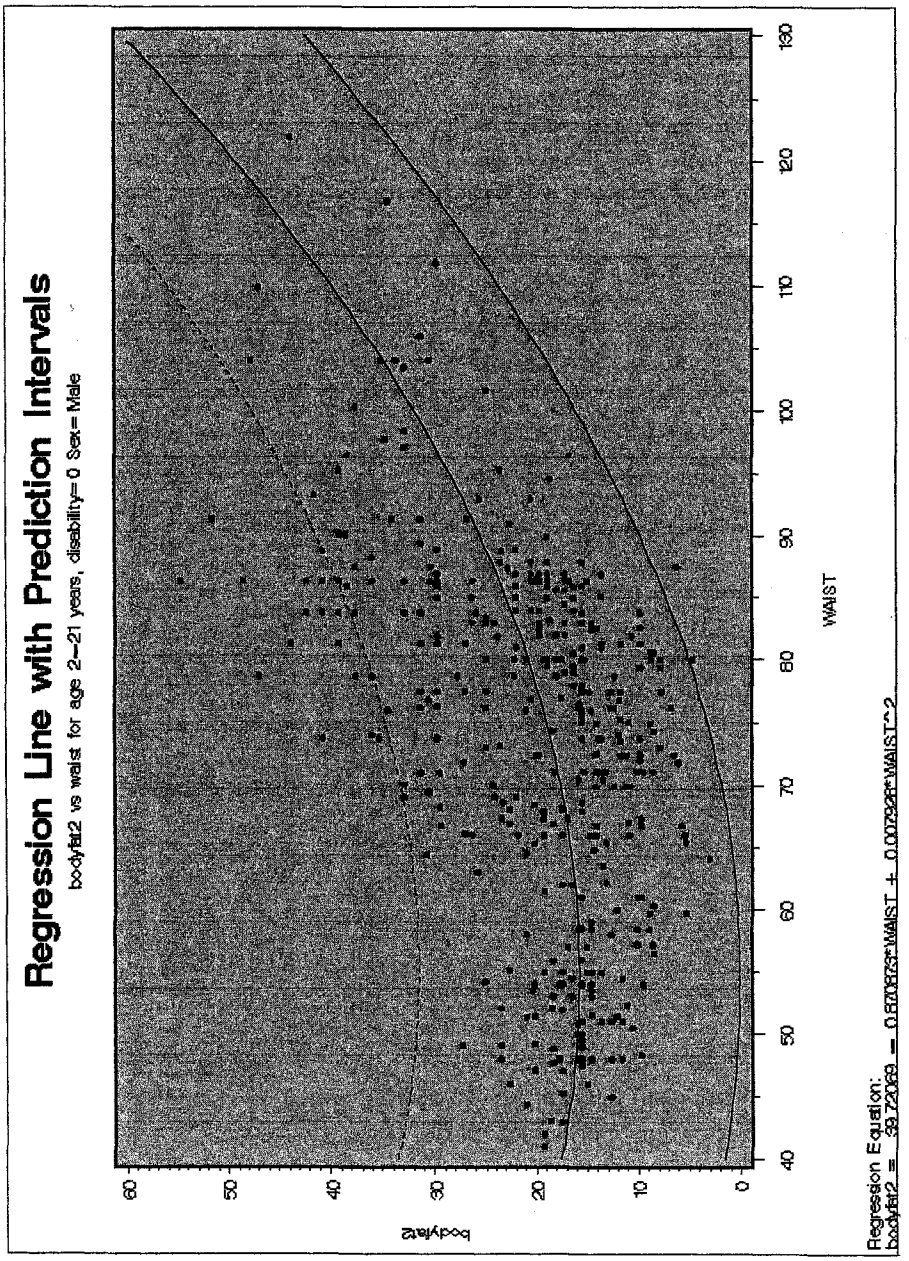
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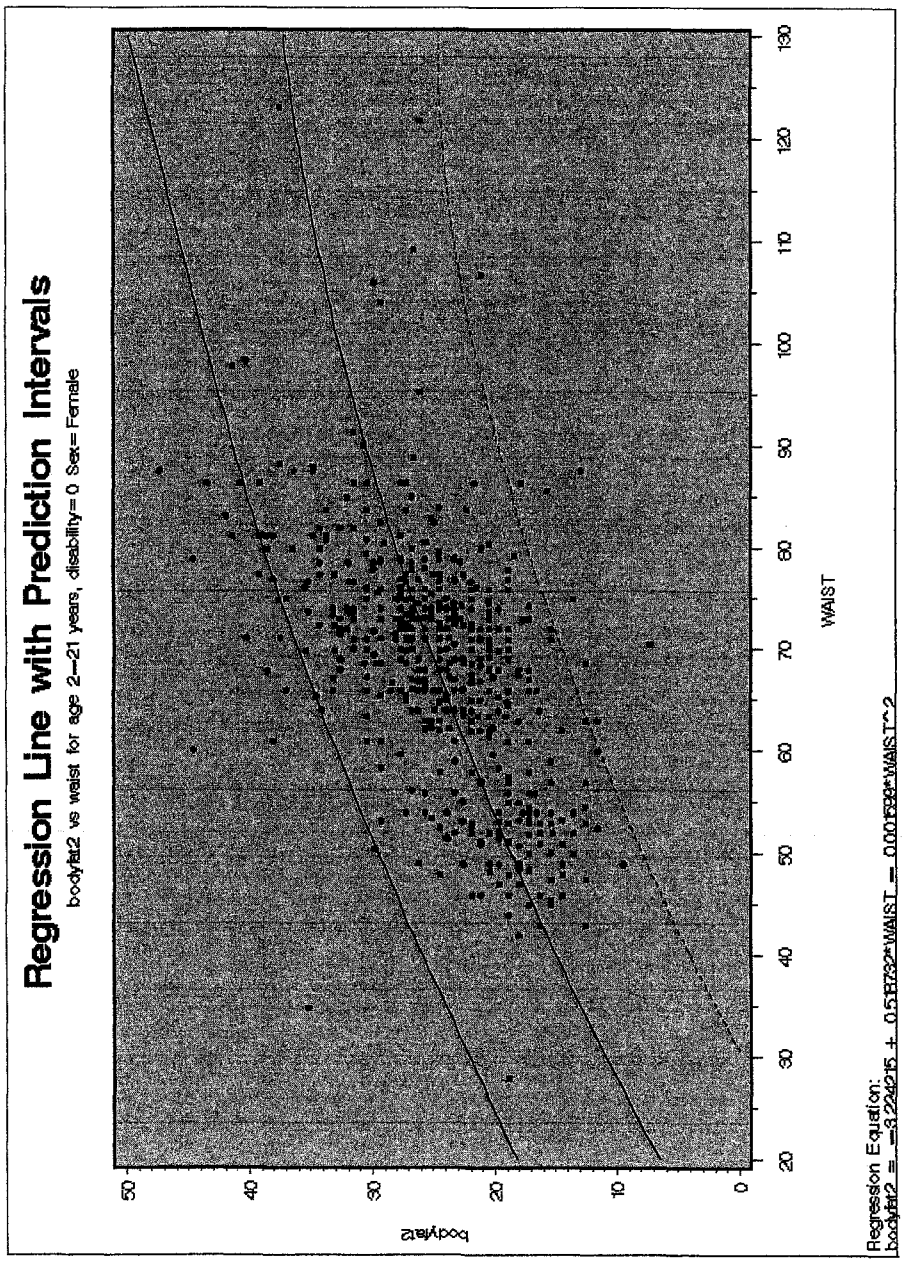
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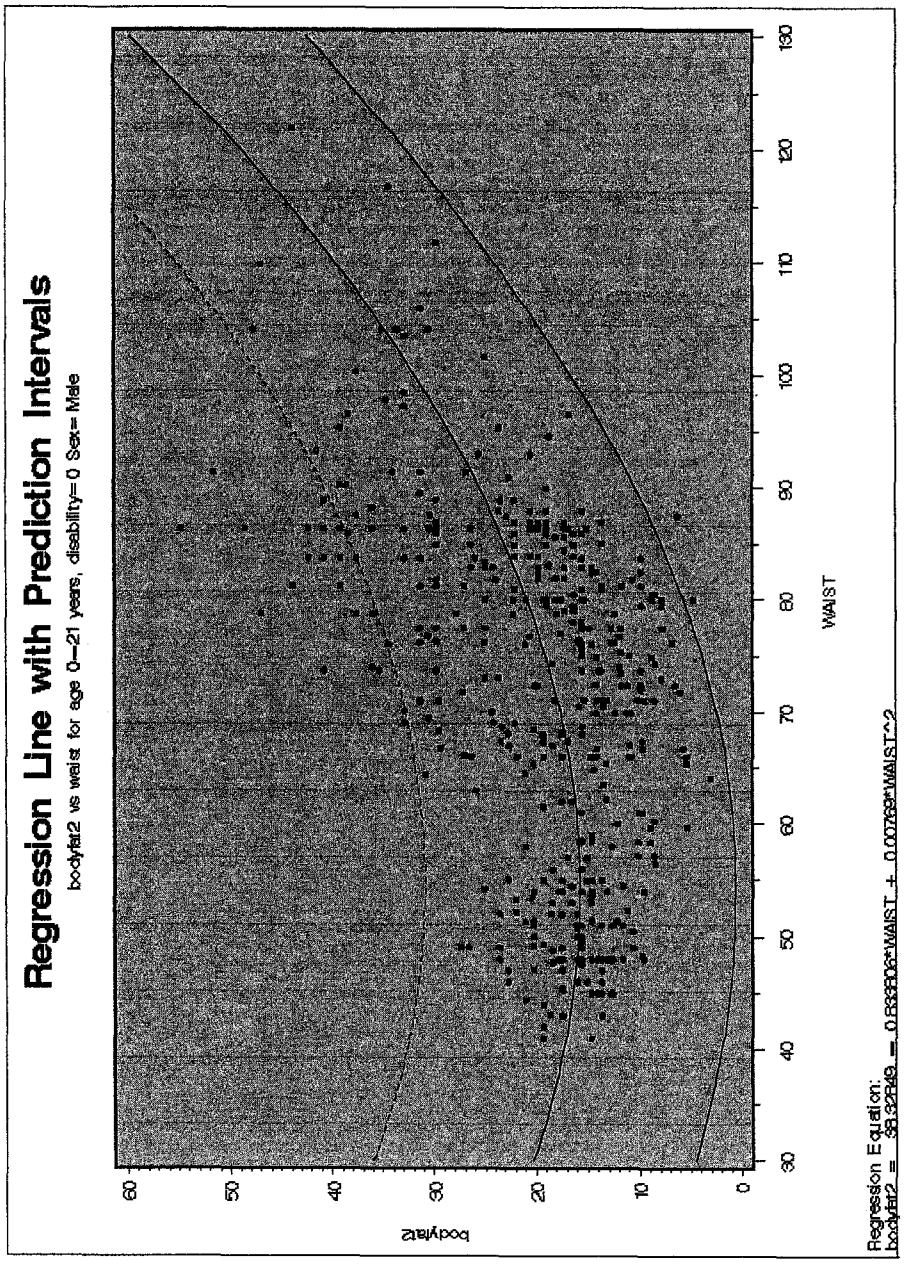
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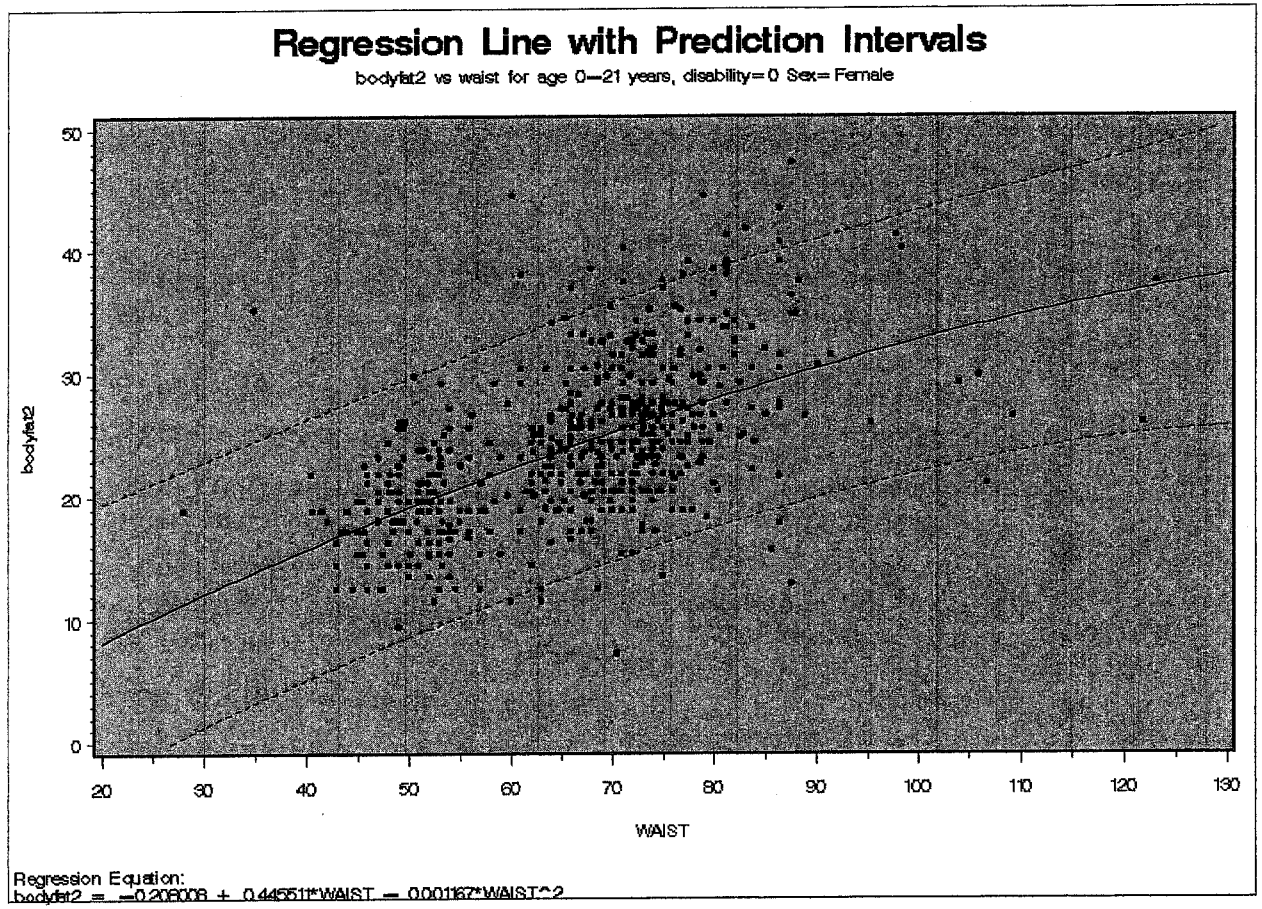


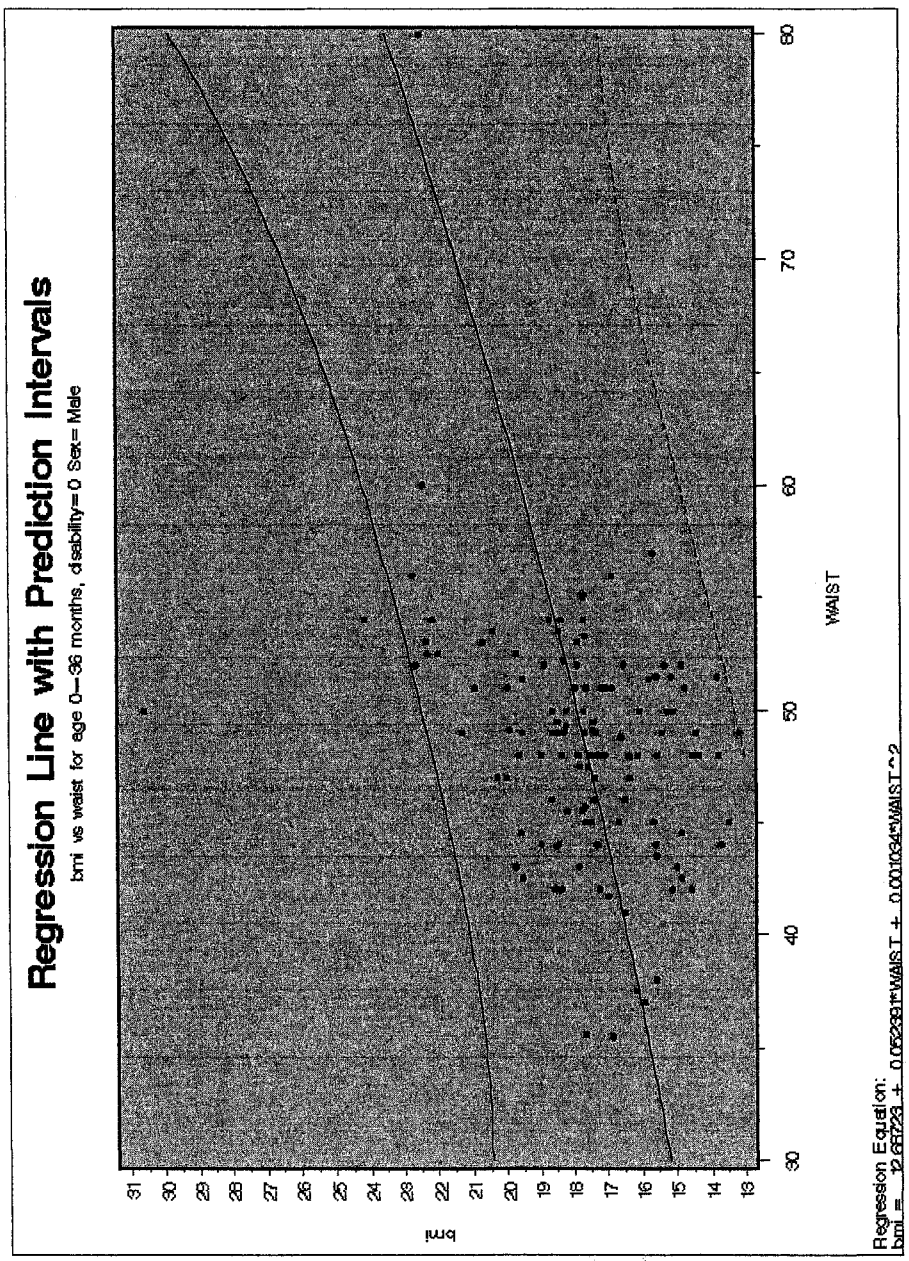
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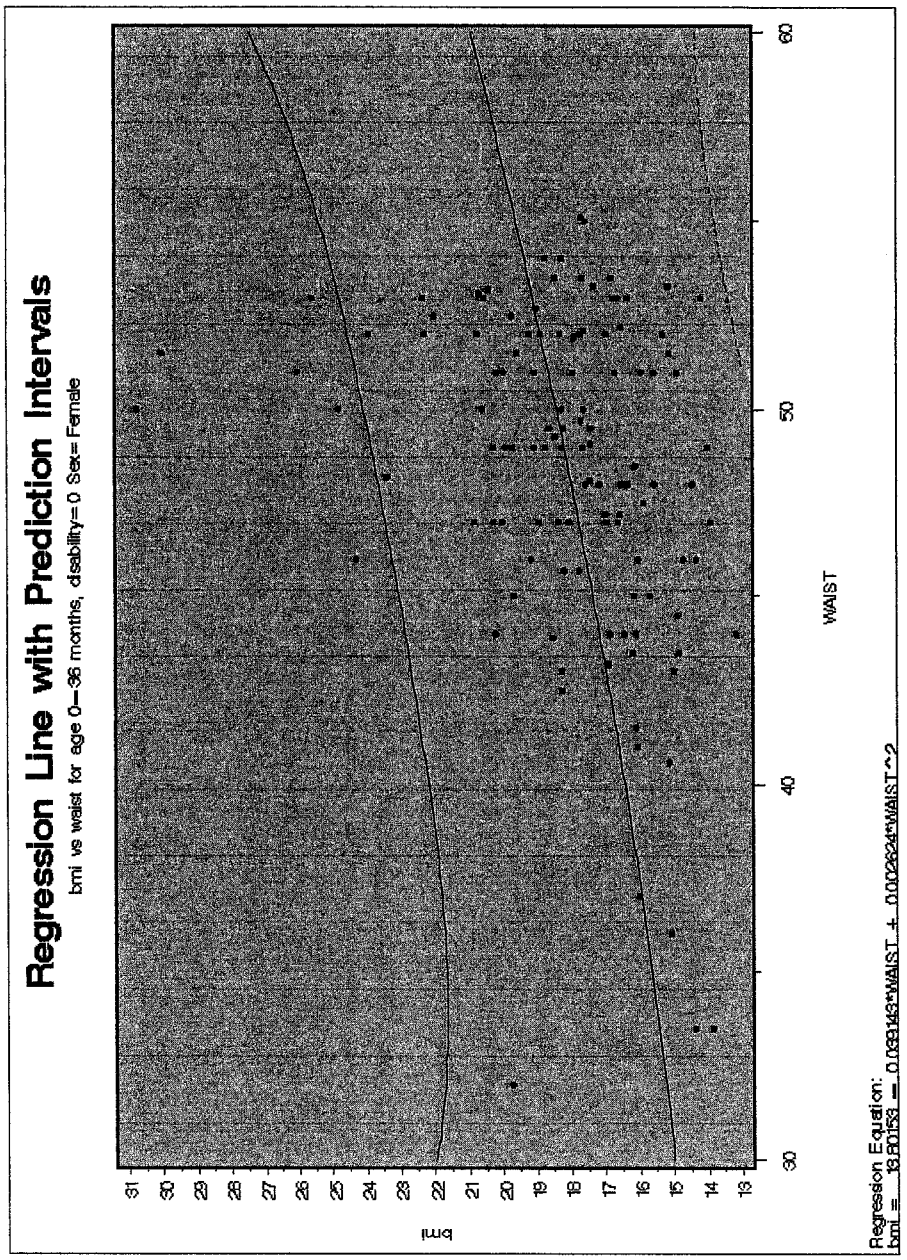
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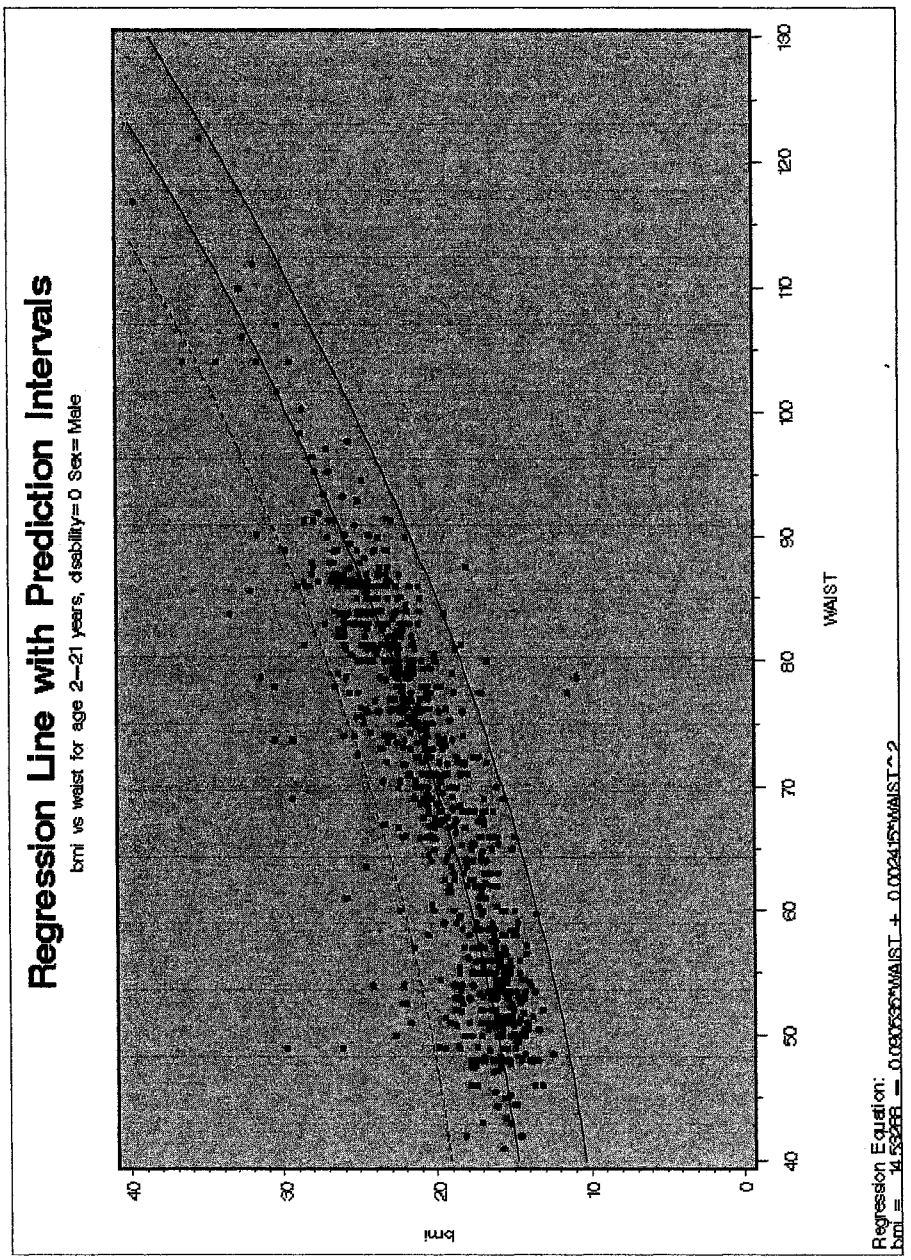




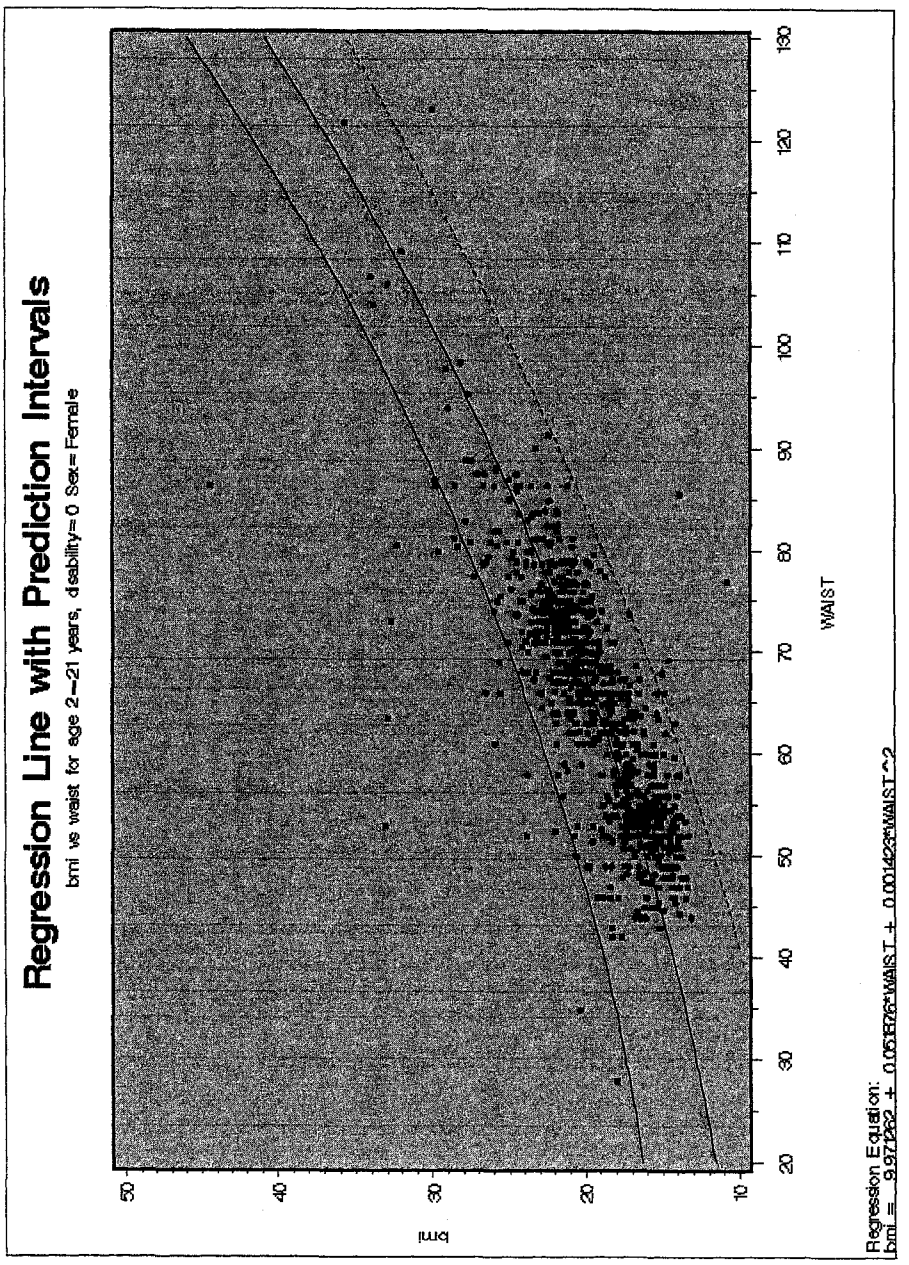
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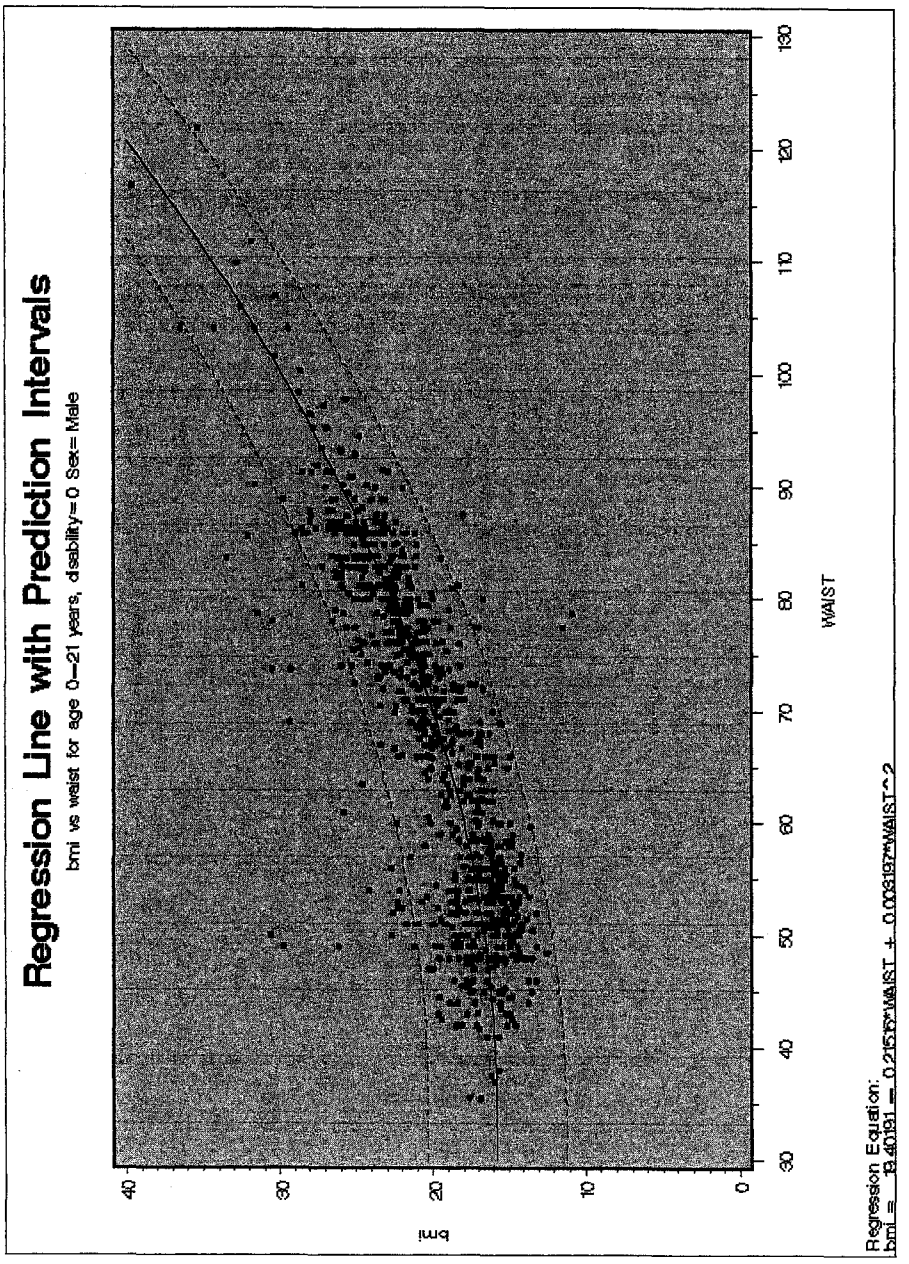
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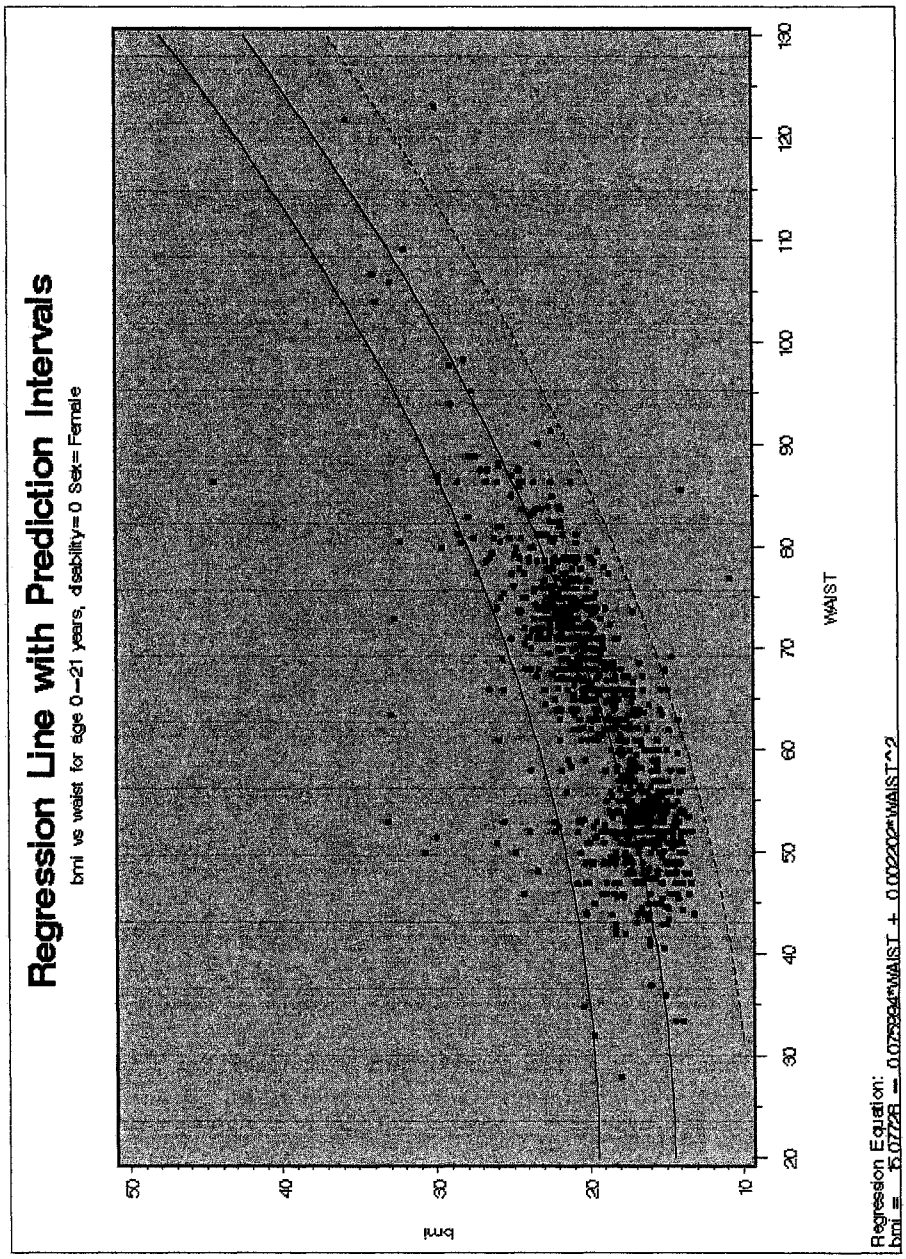
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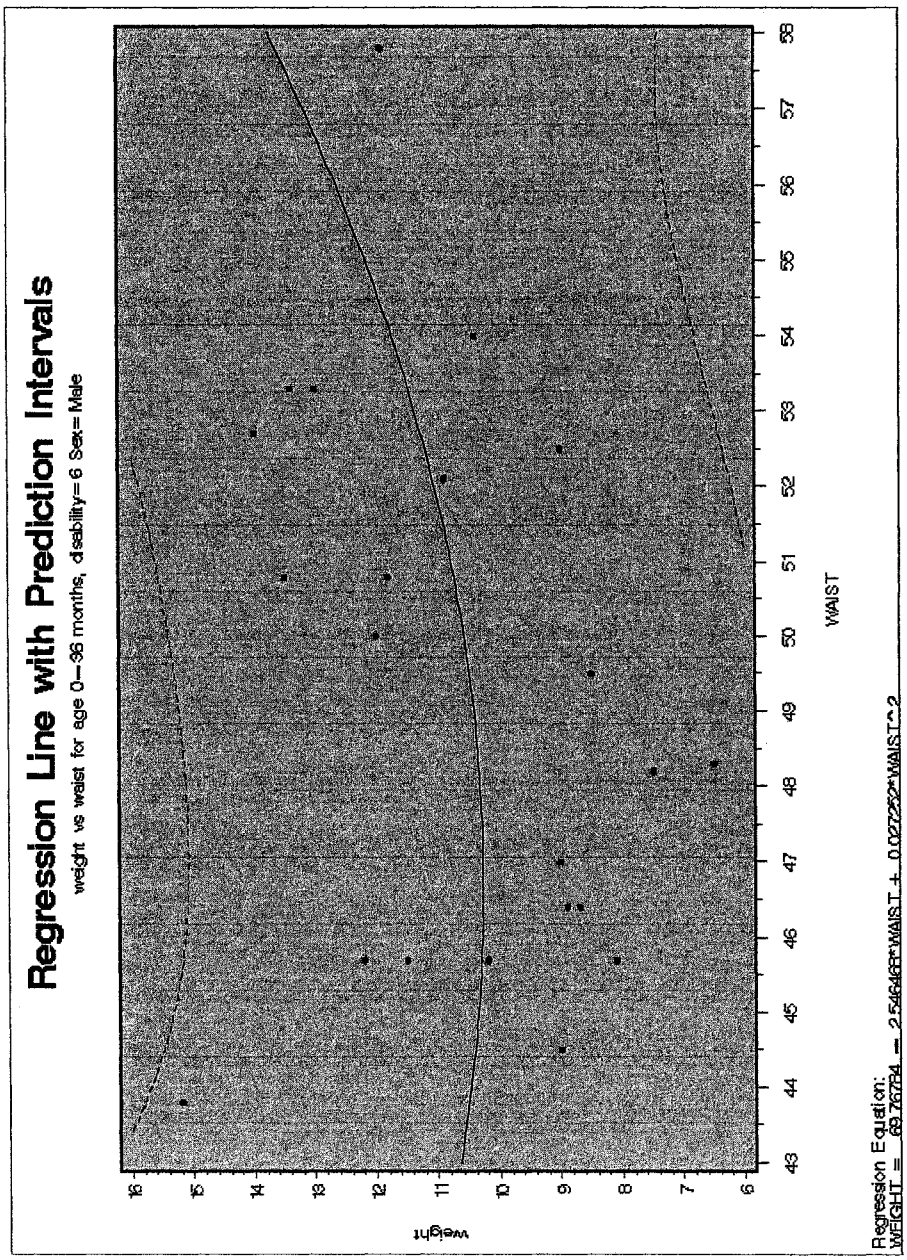
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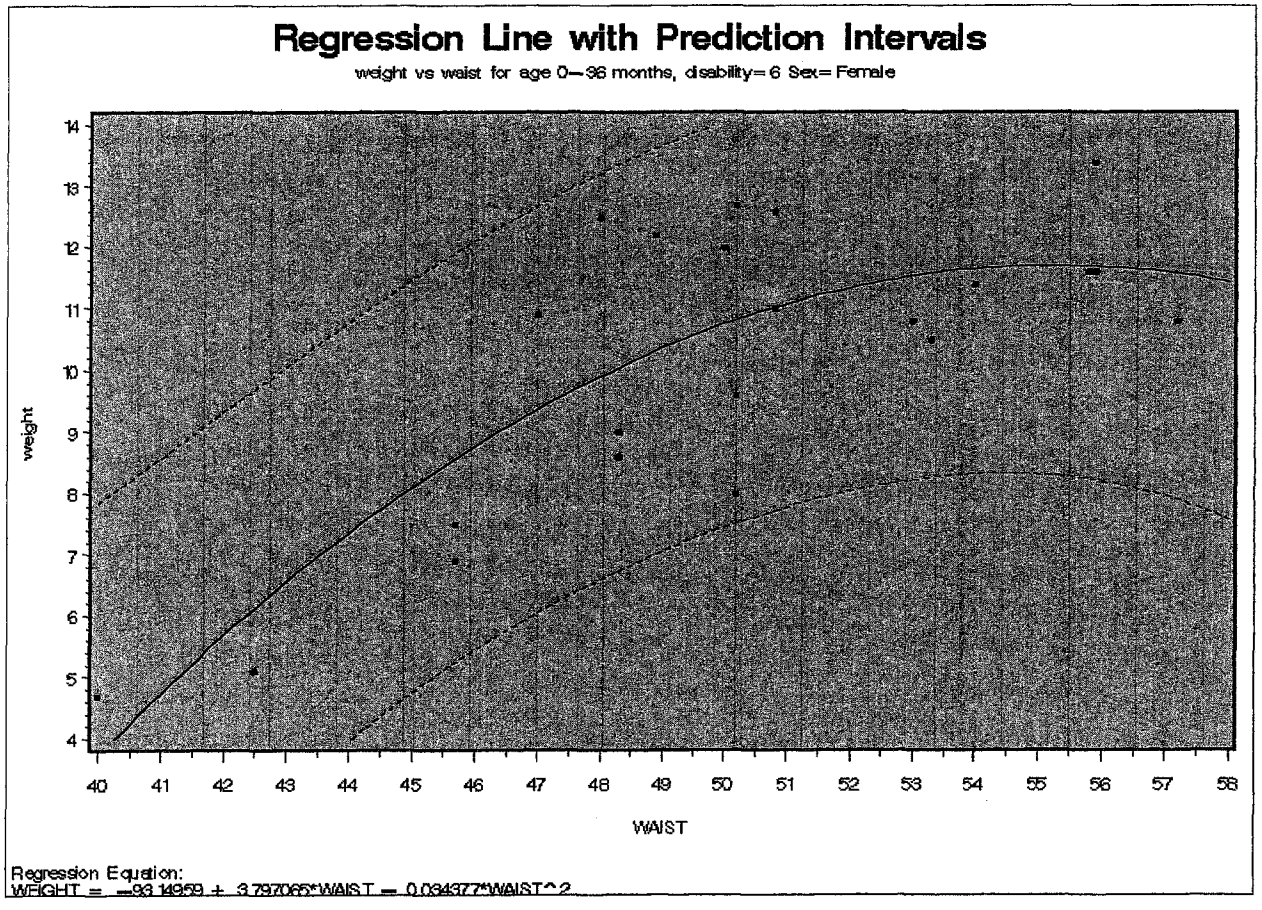
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LINEAR REGRESSION GRAPHS
WAIST CIRCUMFERENCE TO WEIGHT, AGE, PERCENT BODYFAT, BMI
DISABILITY POPULATION
COMBINED DATA

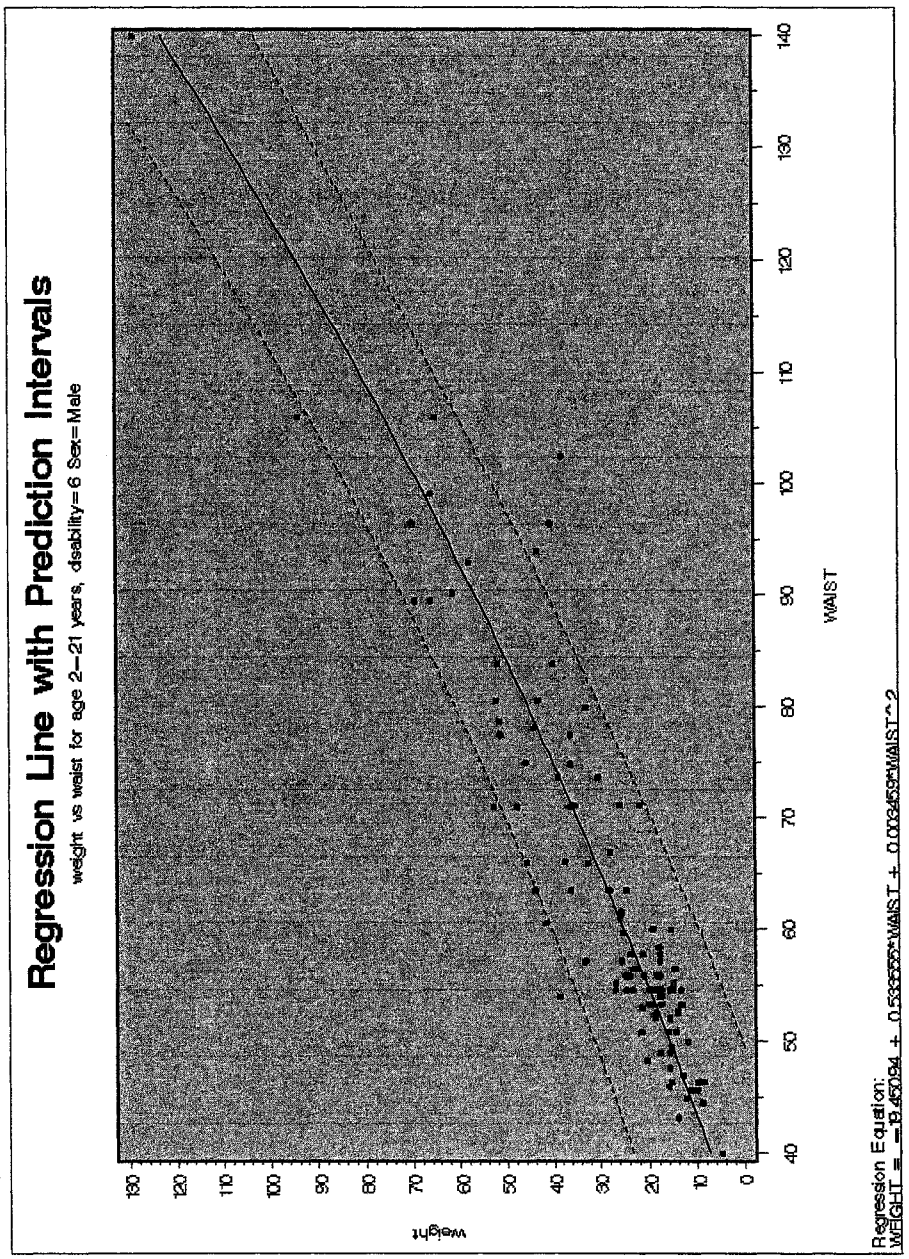
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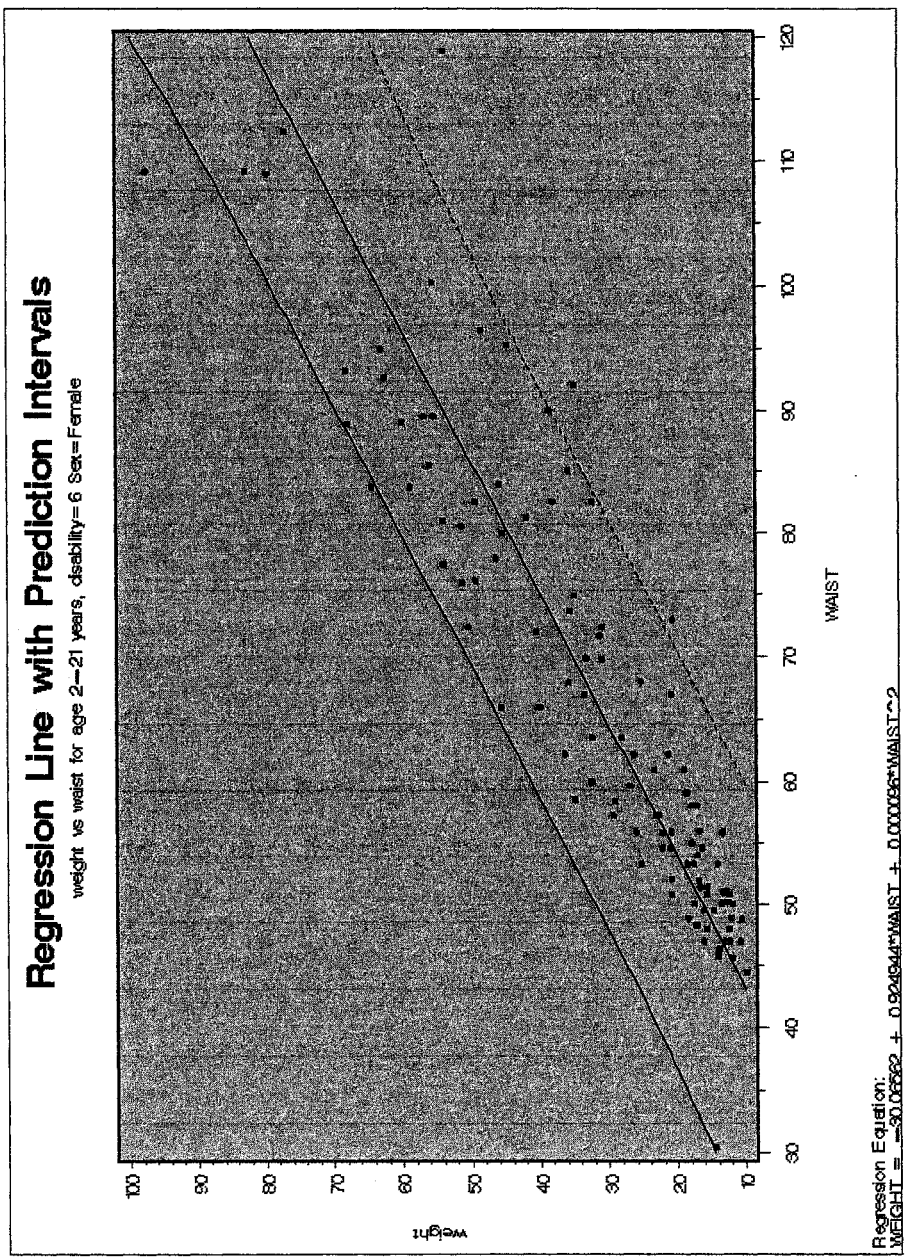
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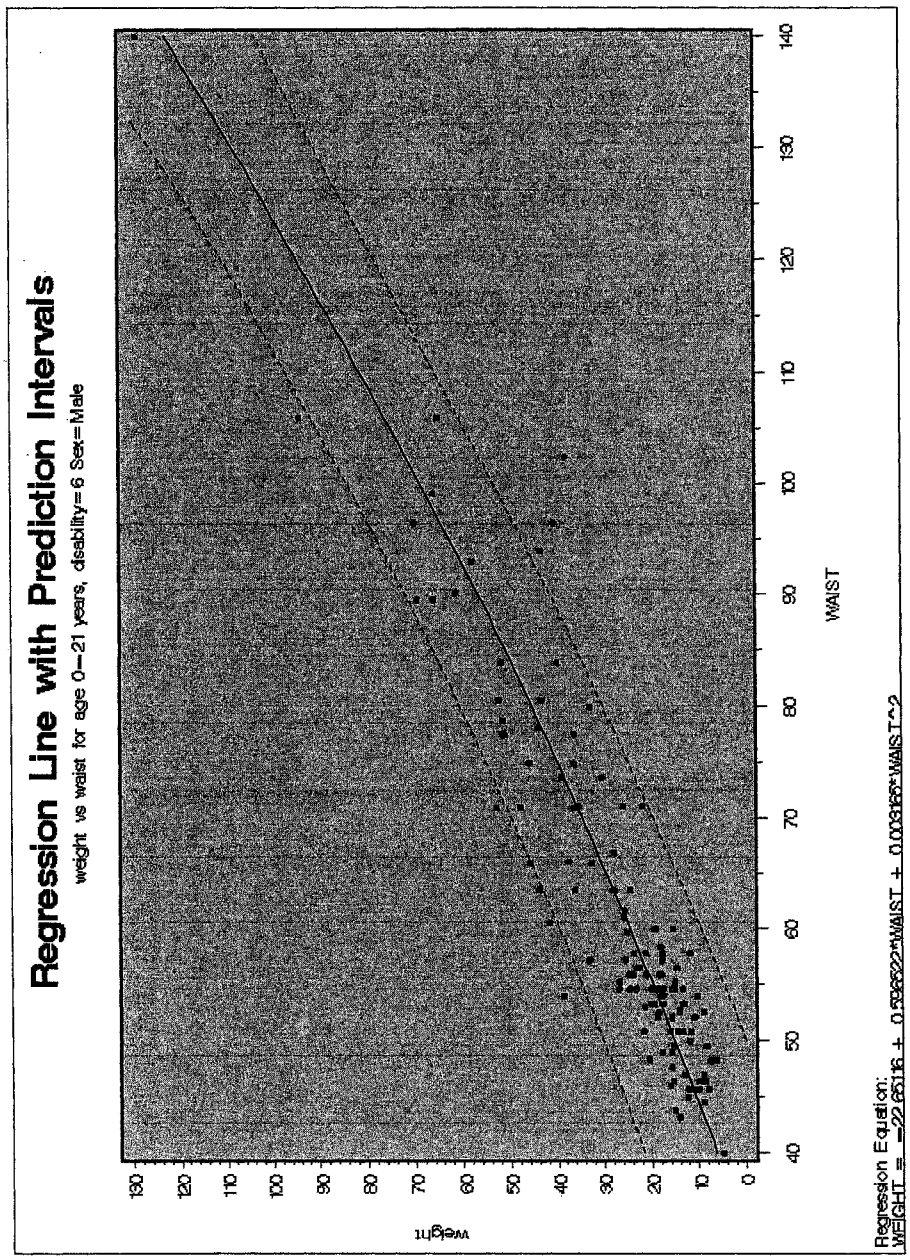
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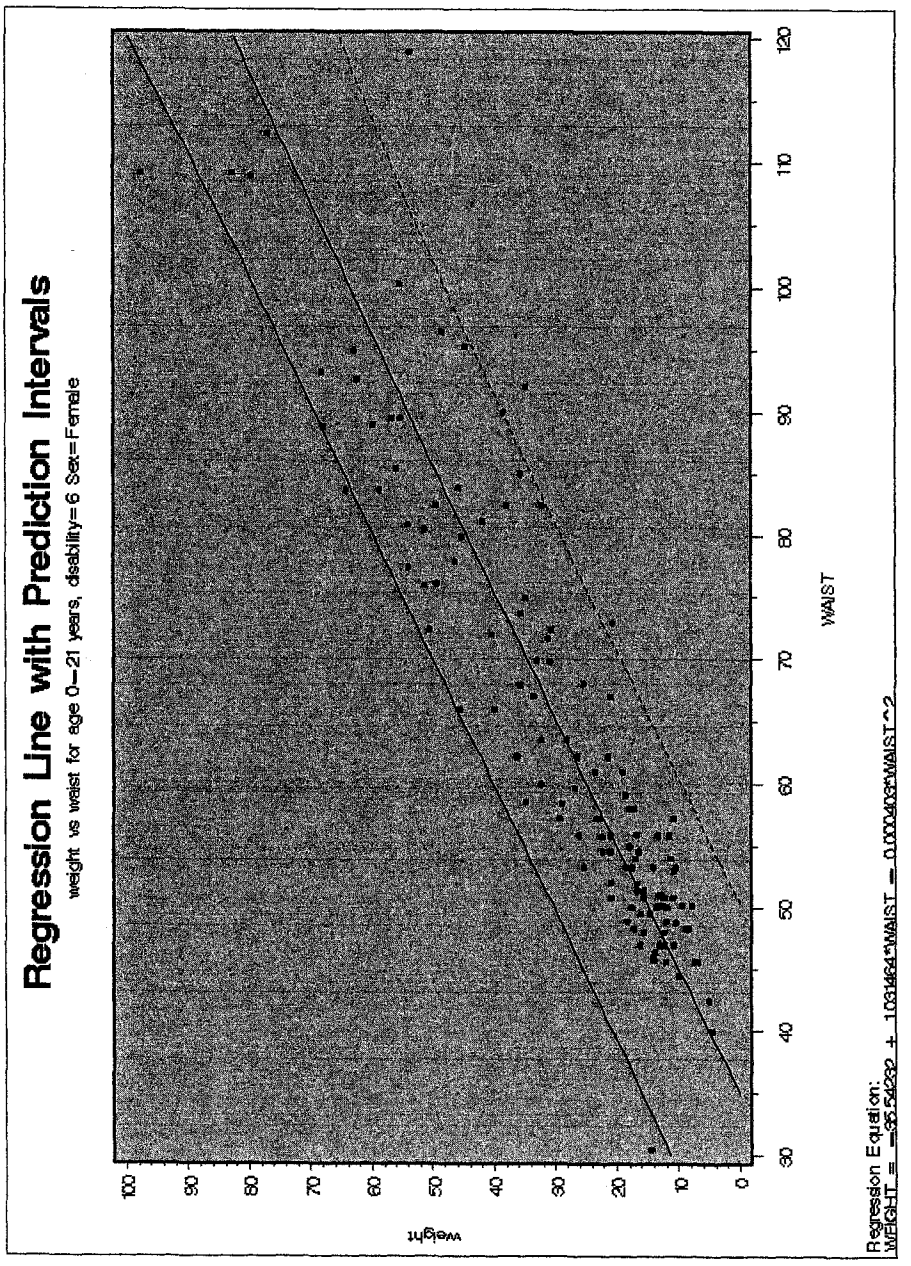
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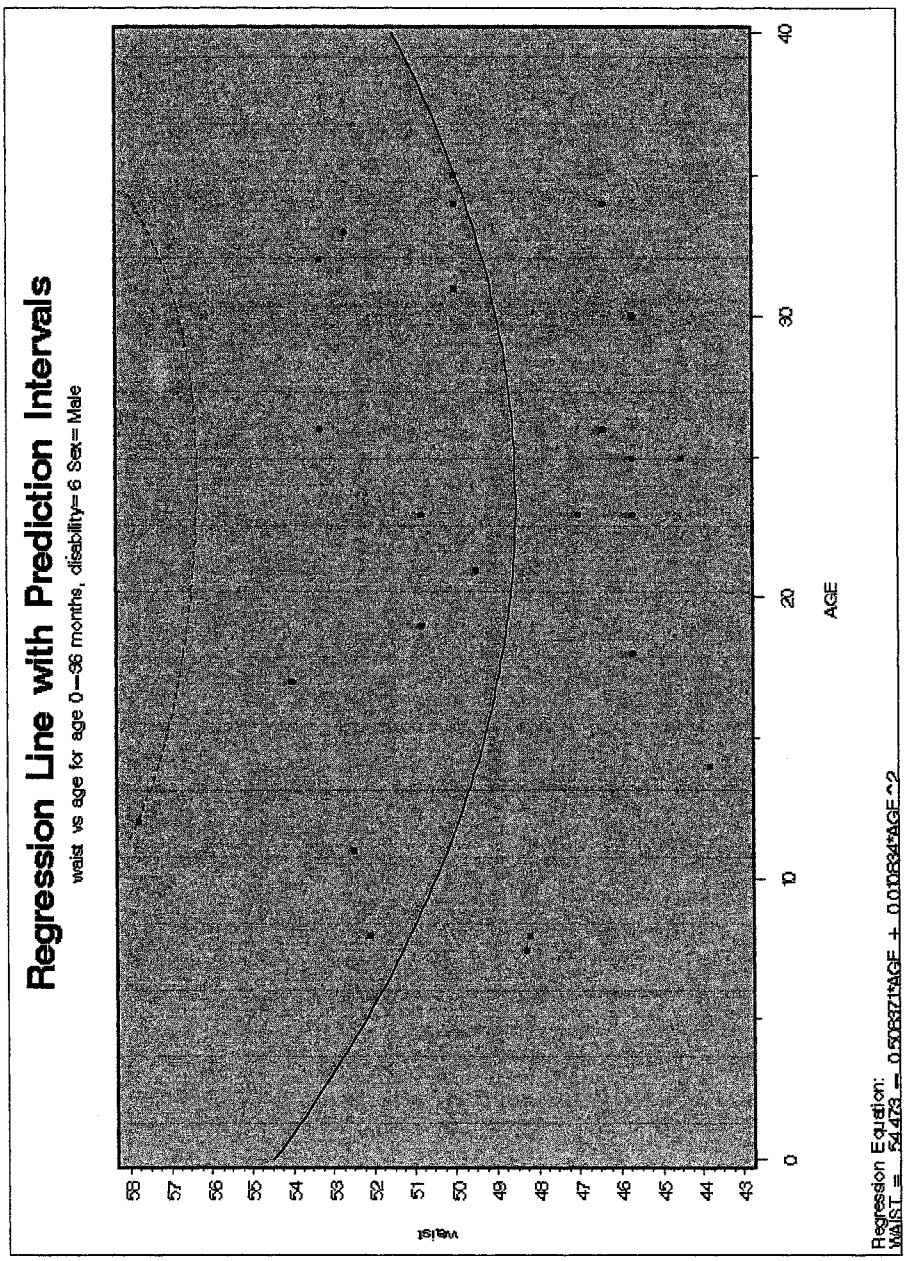
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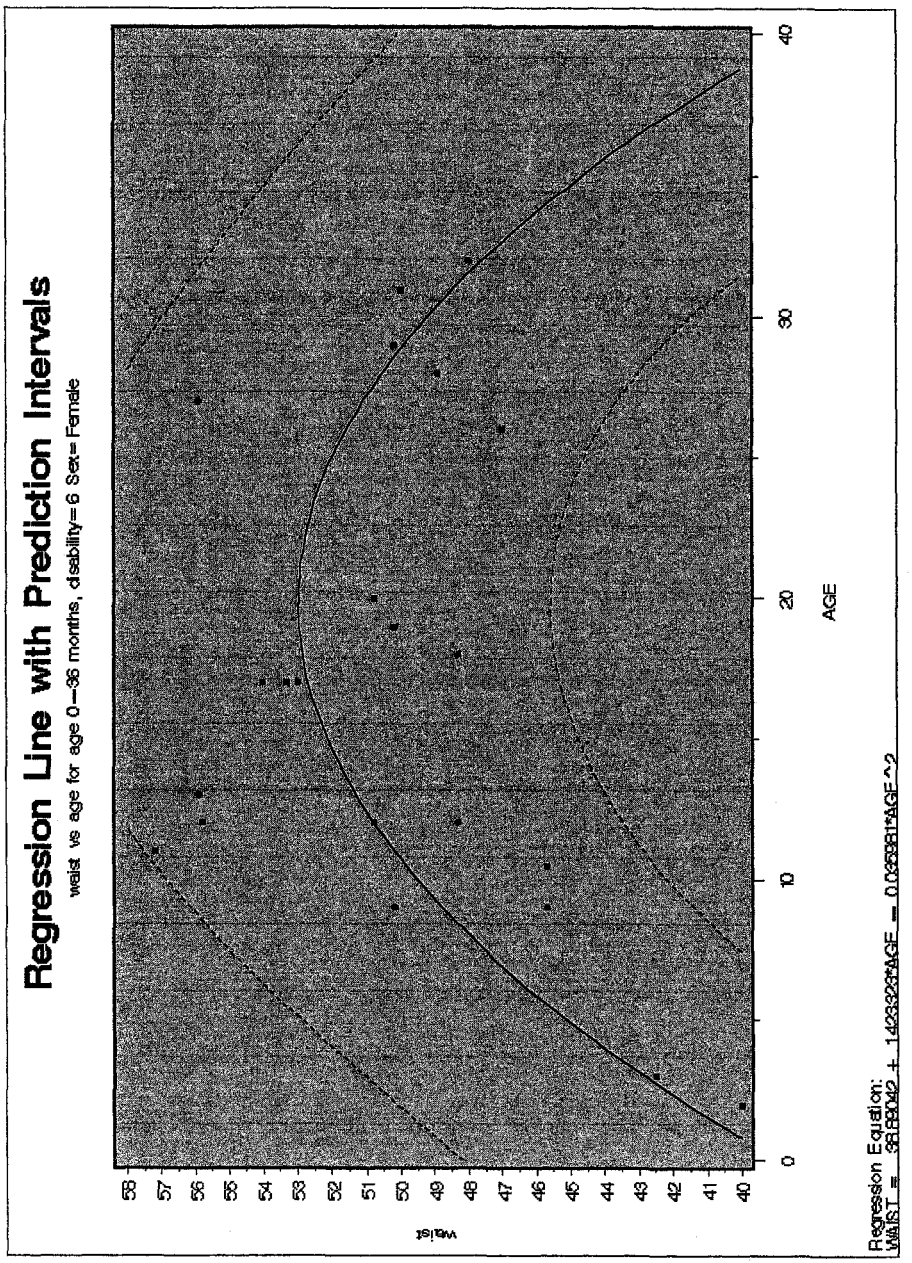
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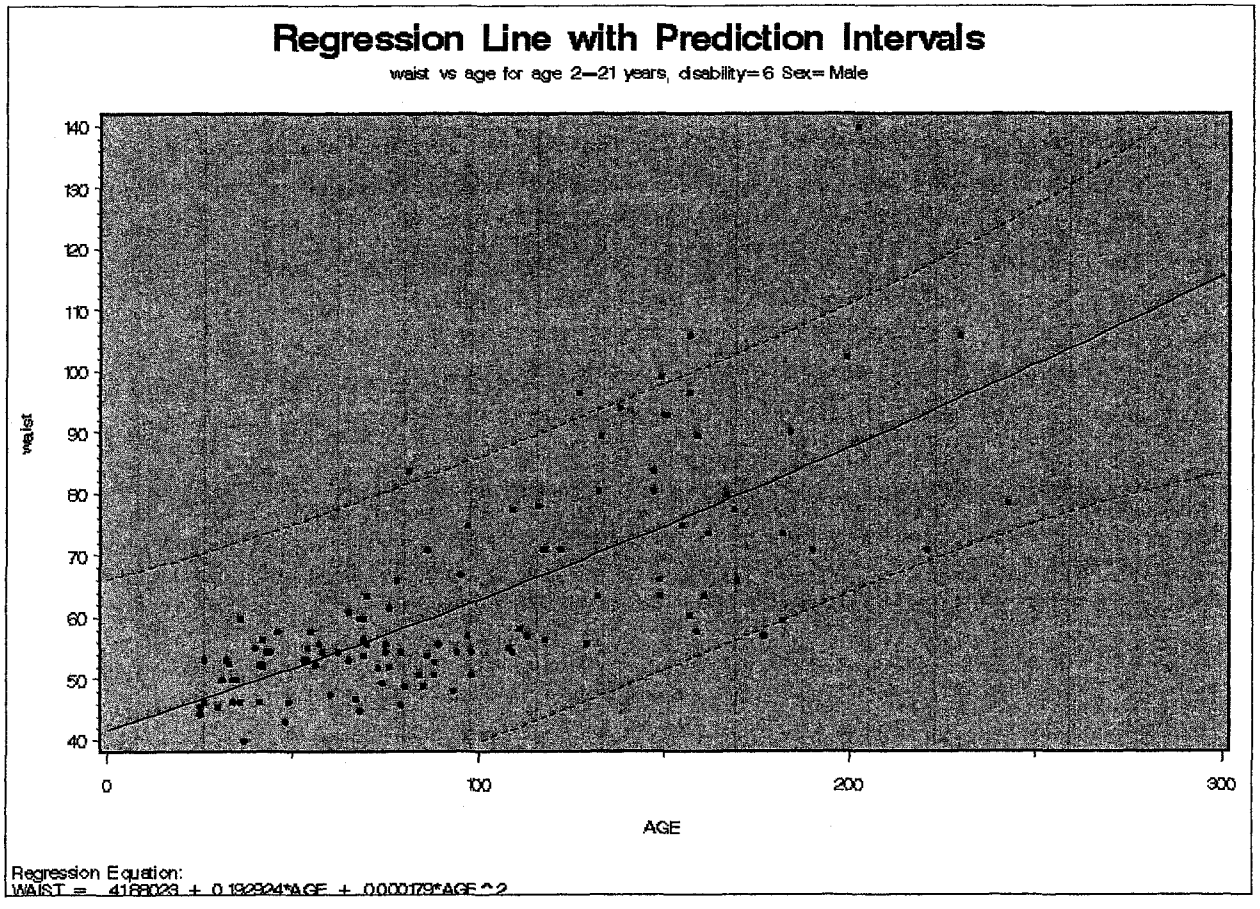
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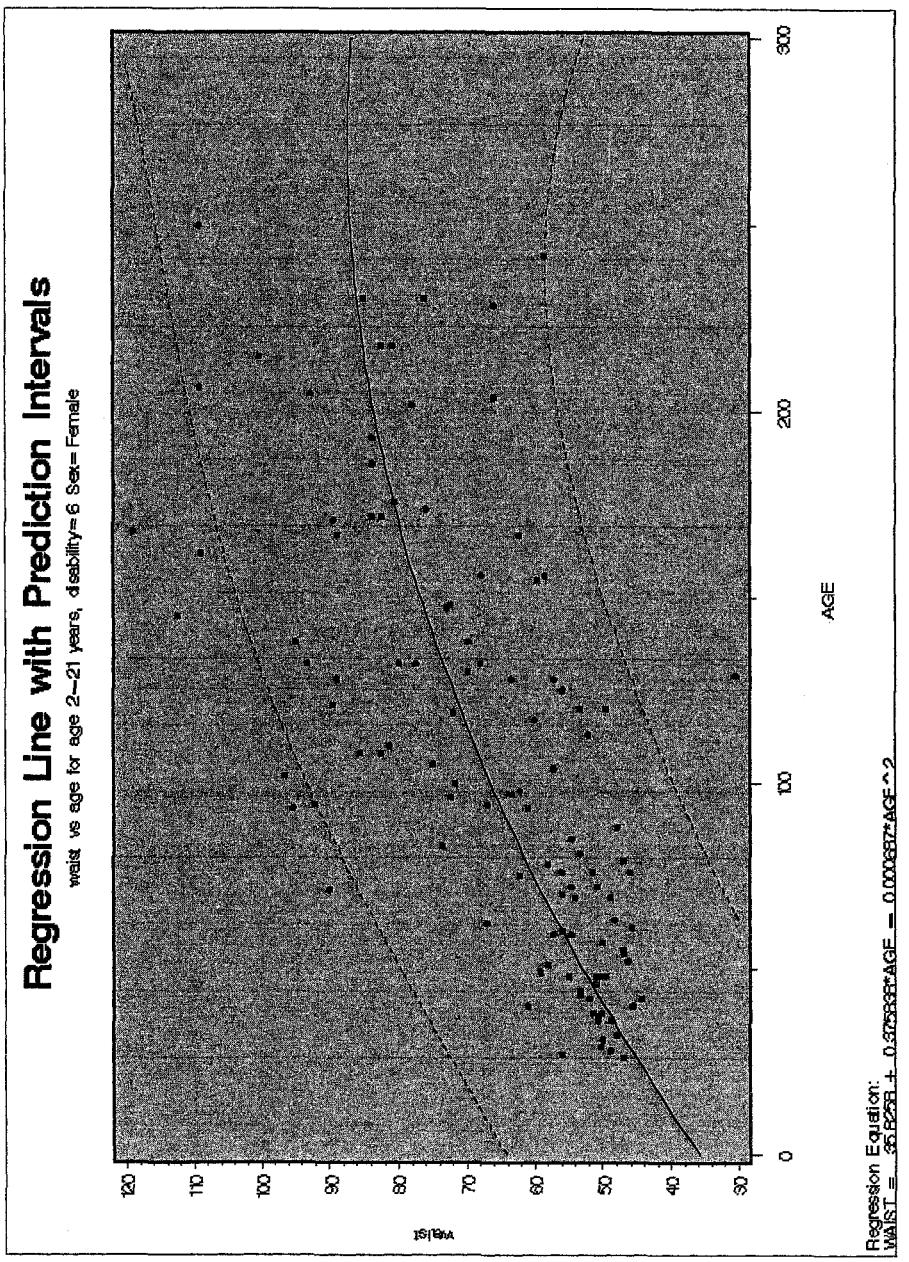
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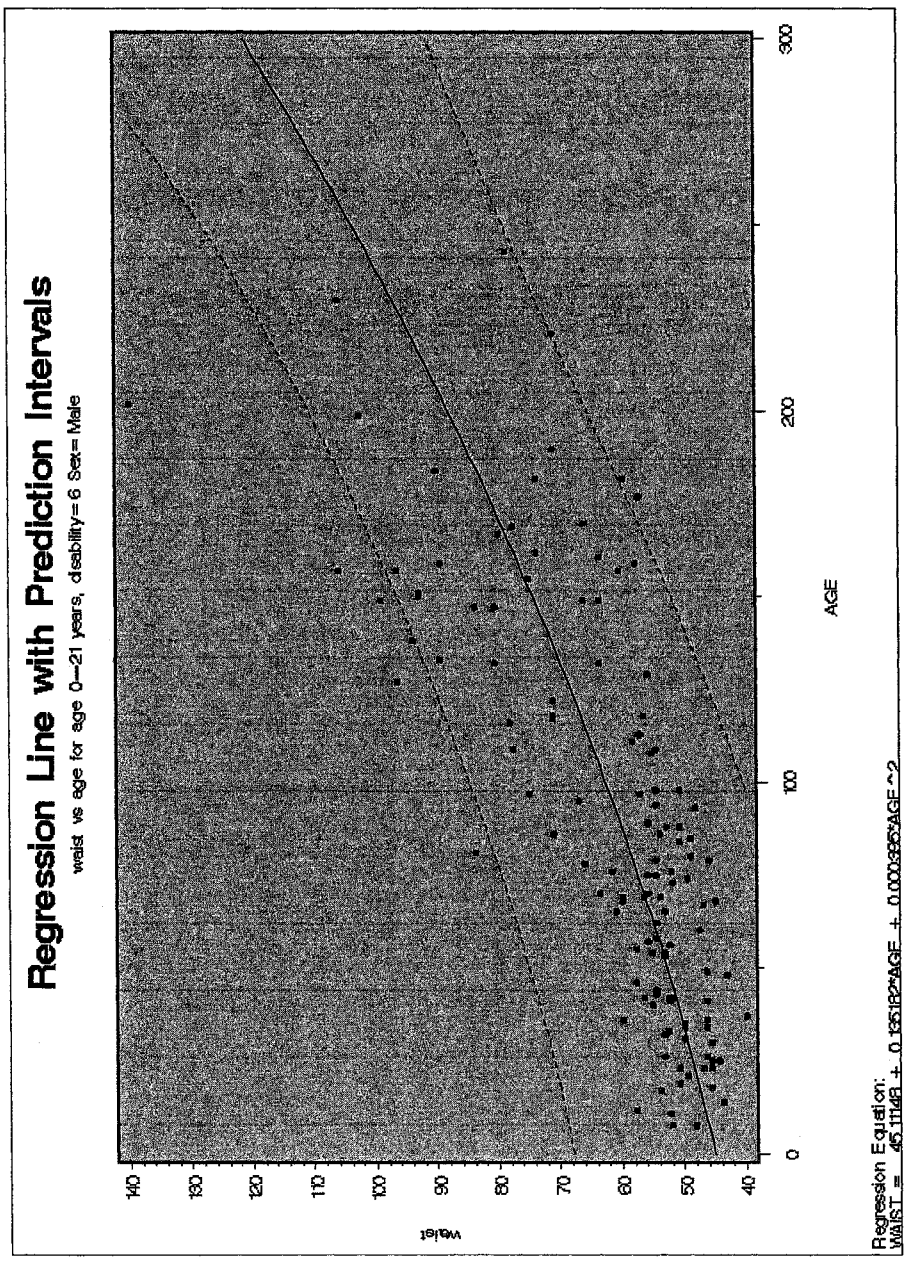
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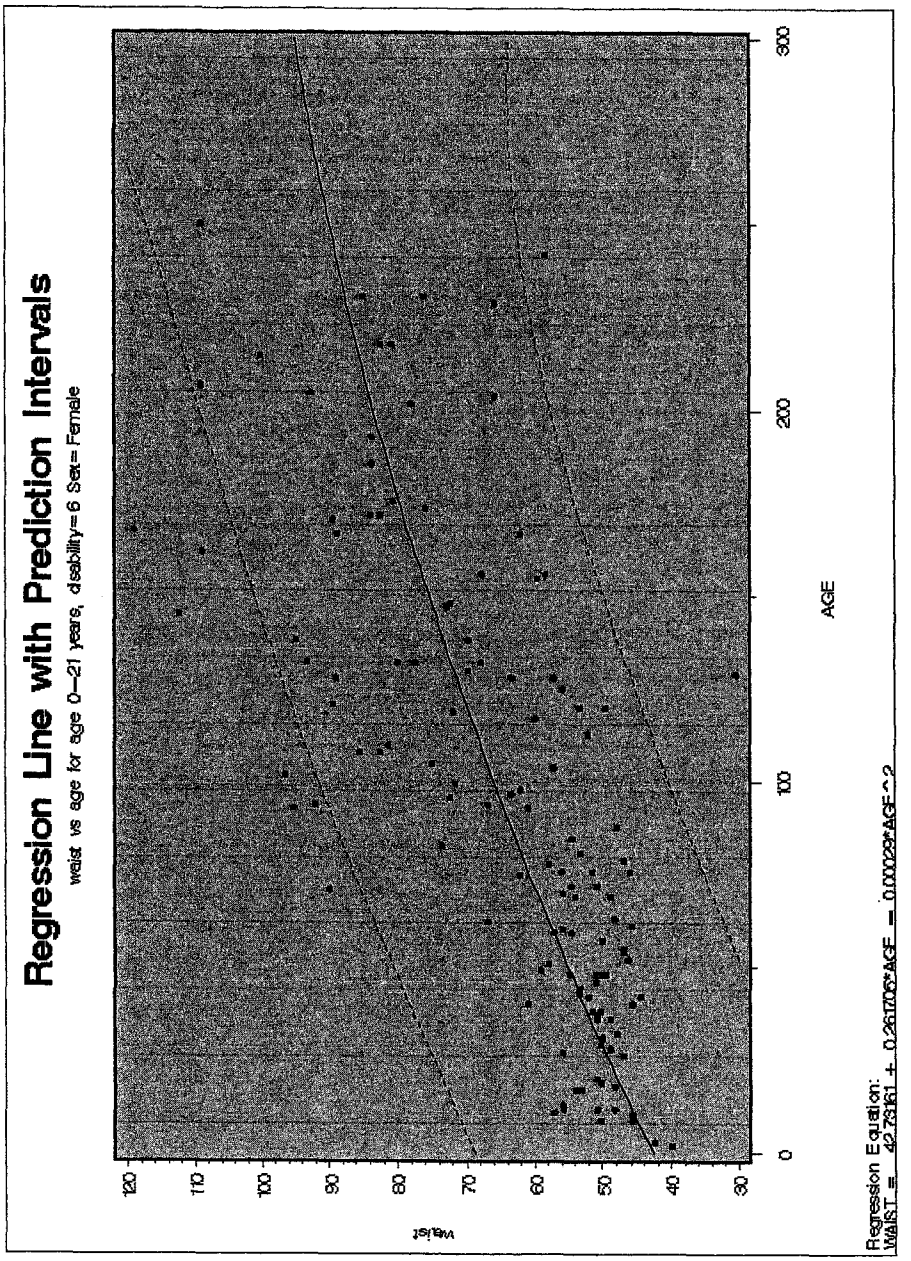
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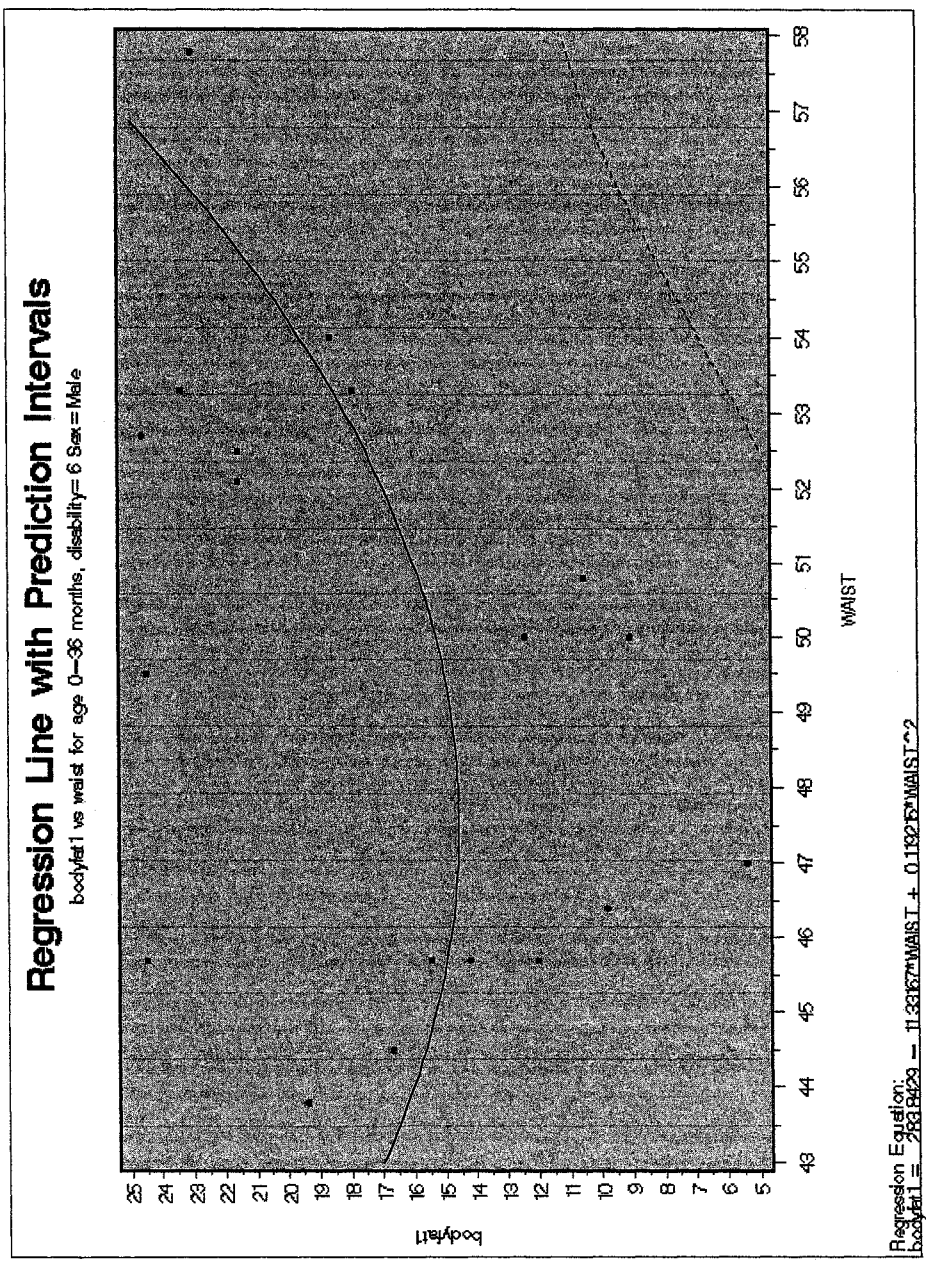
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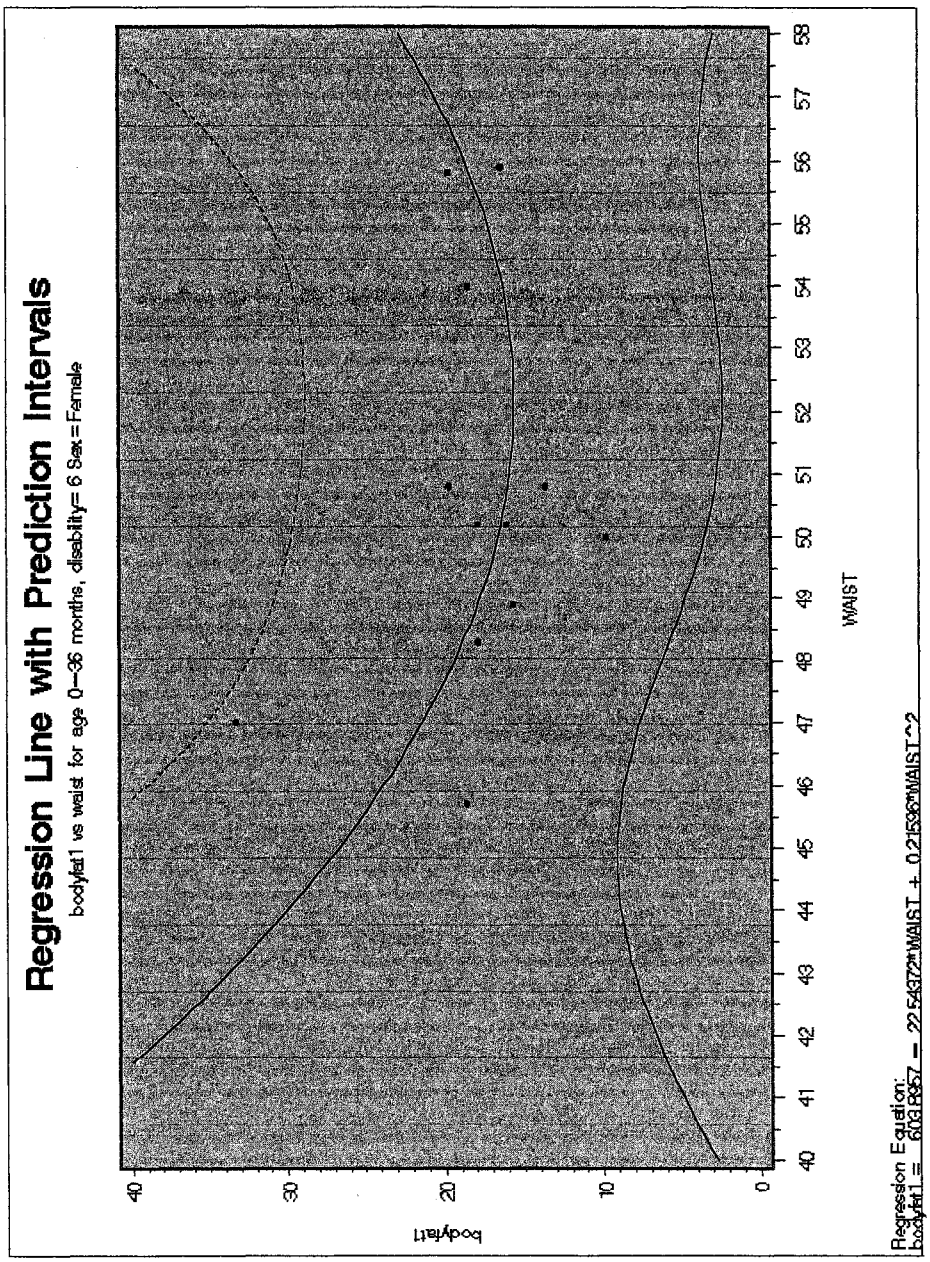
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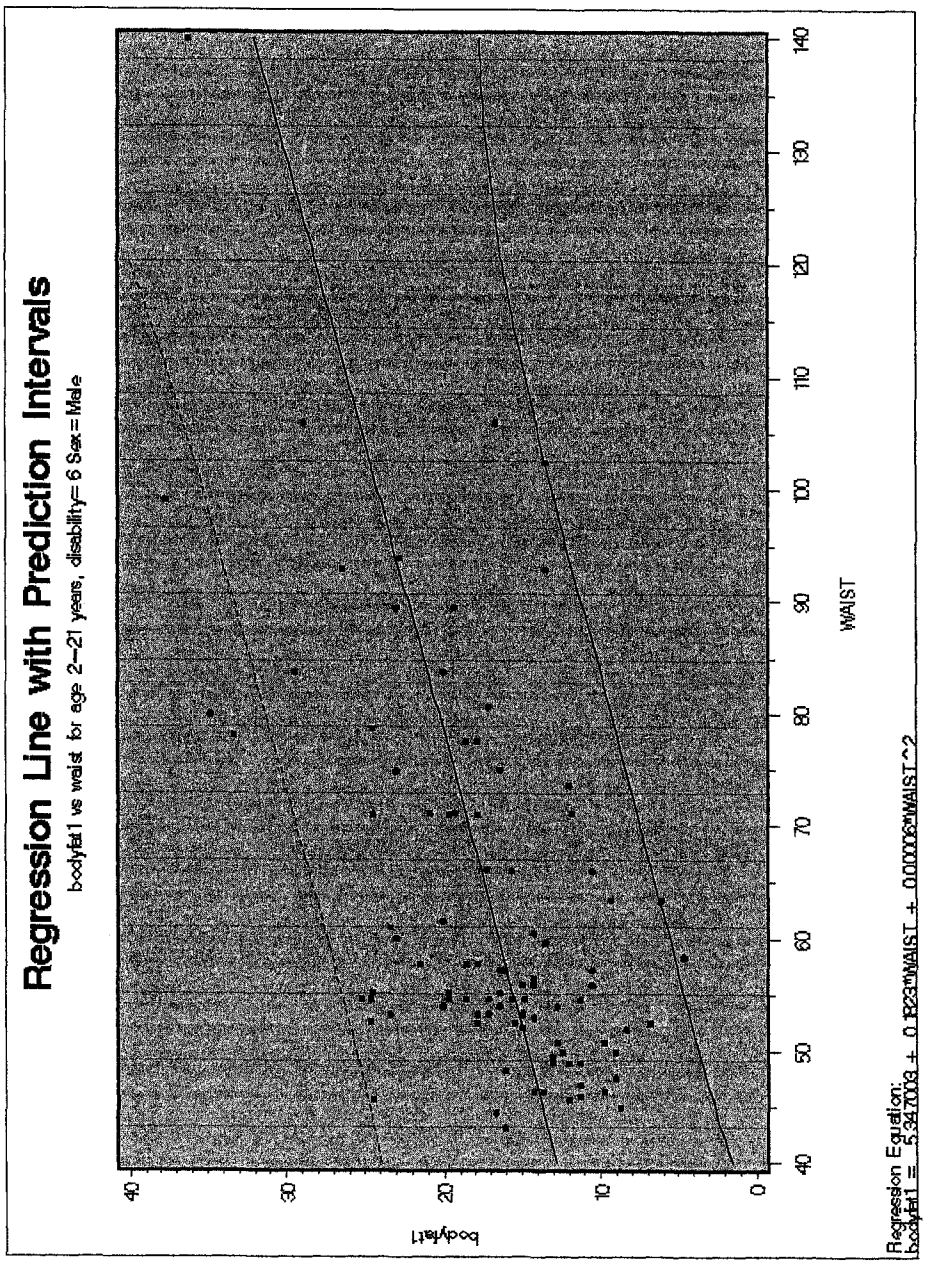
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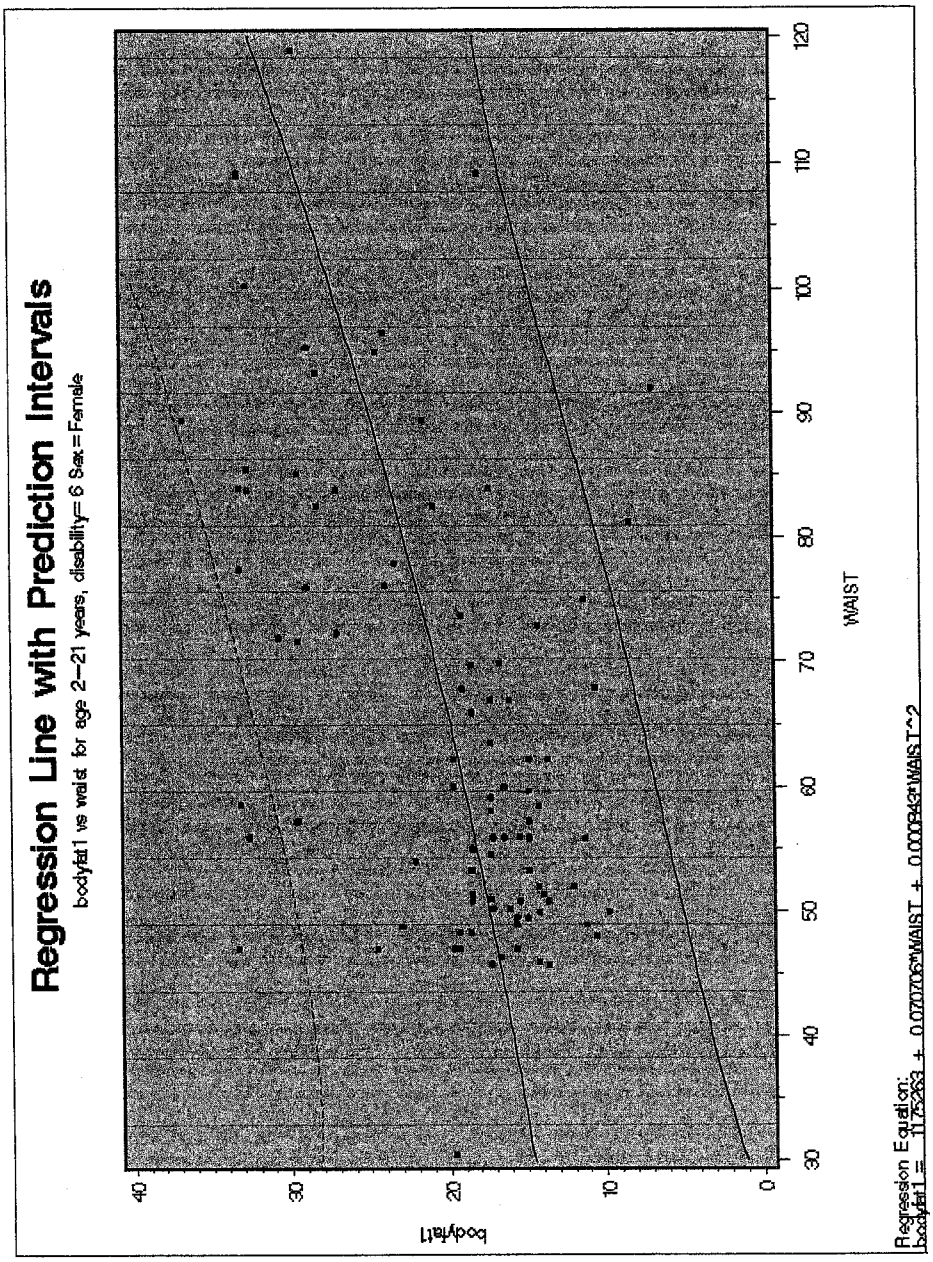
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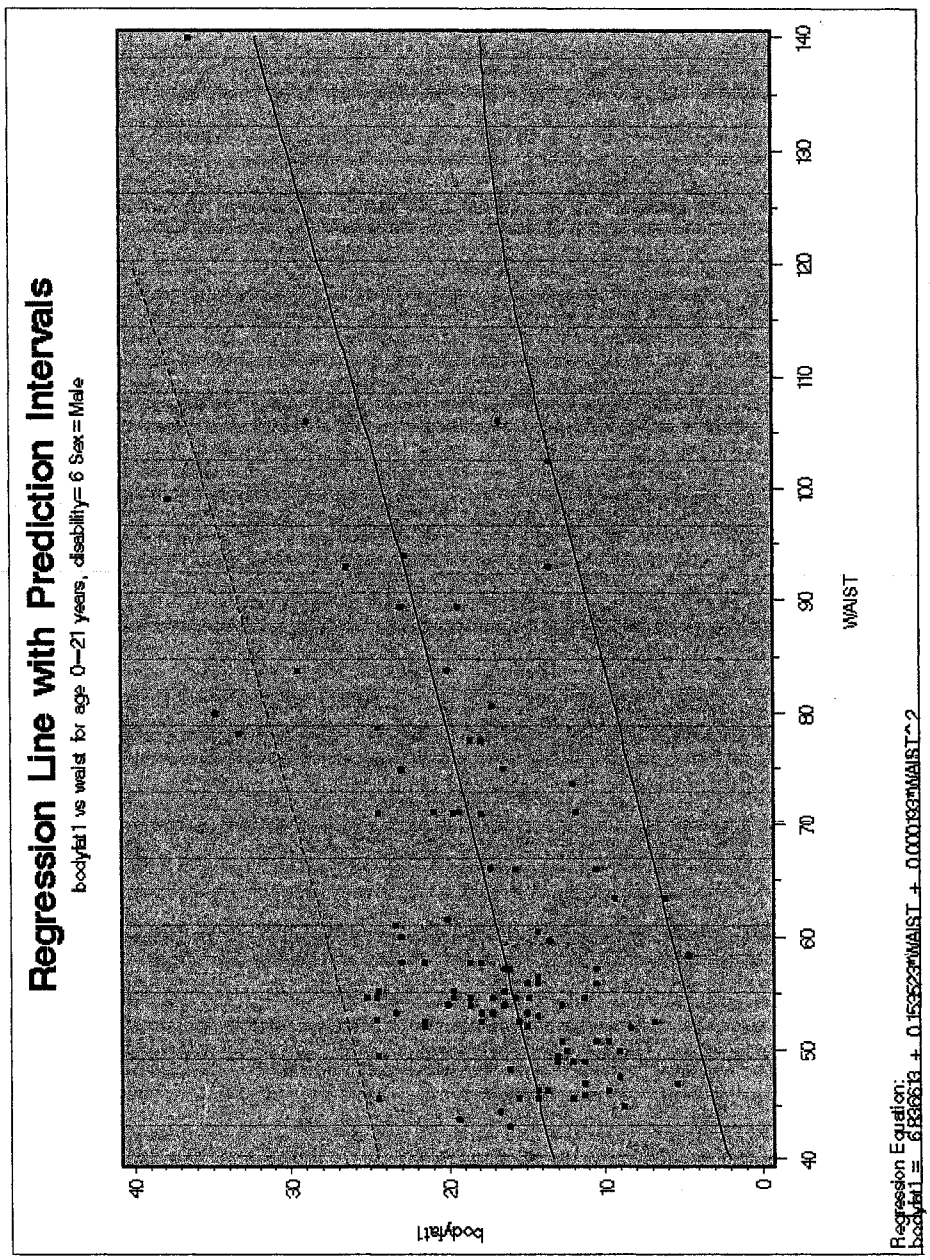
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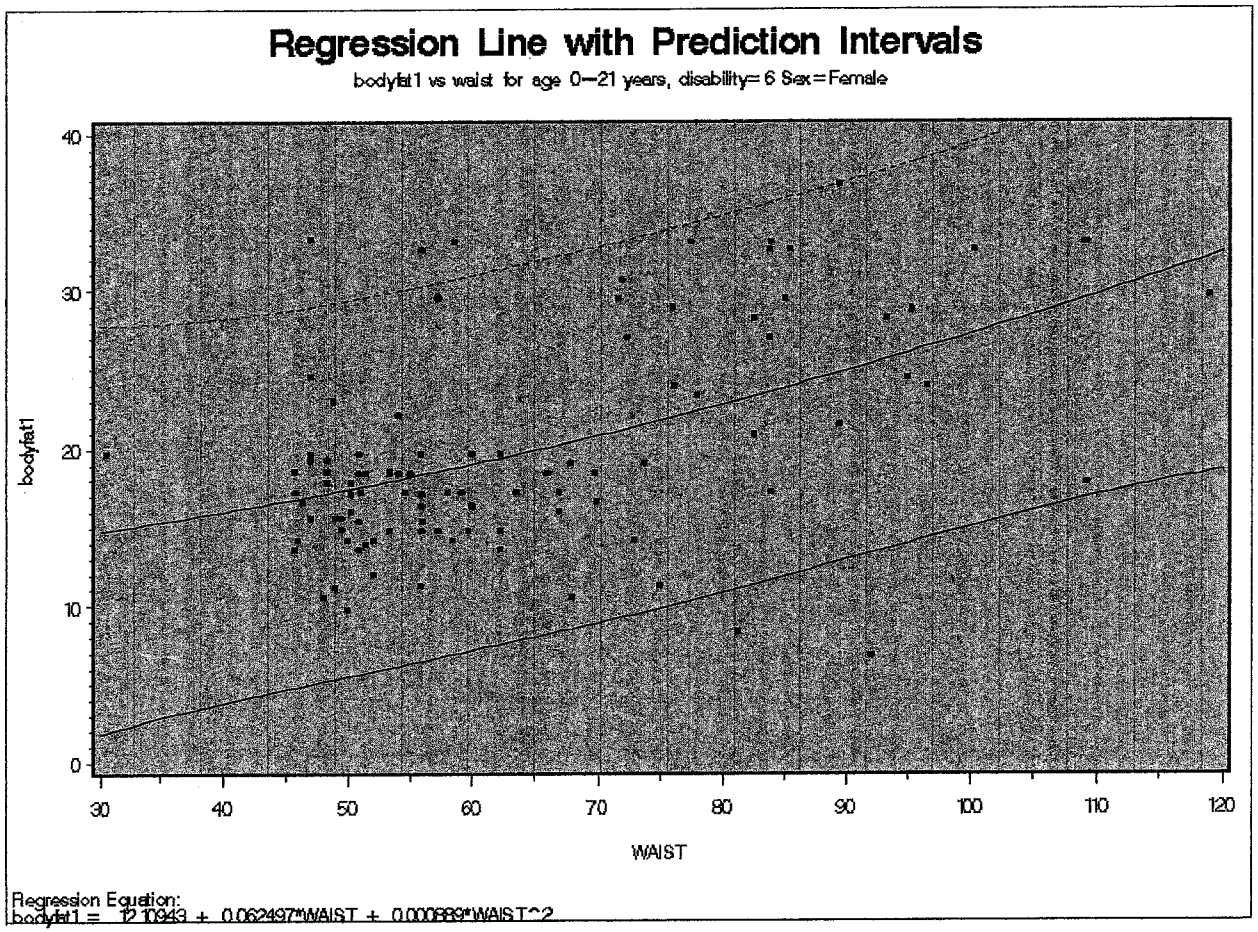


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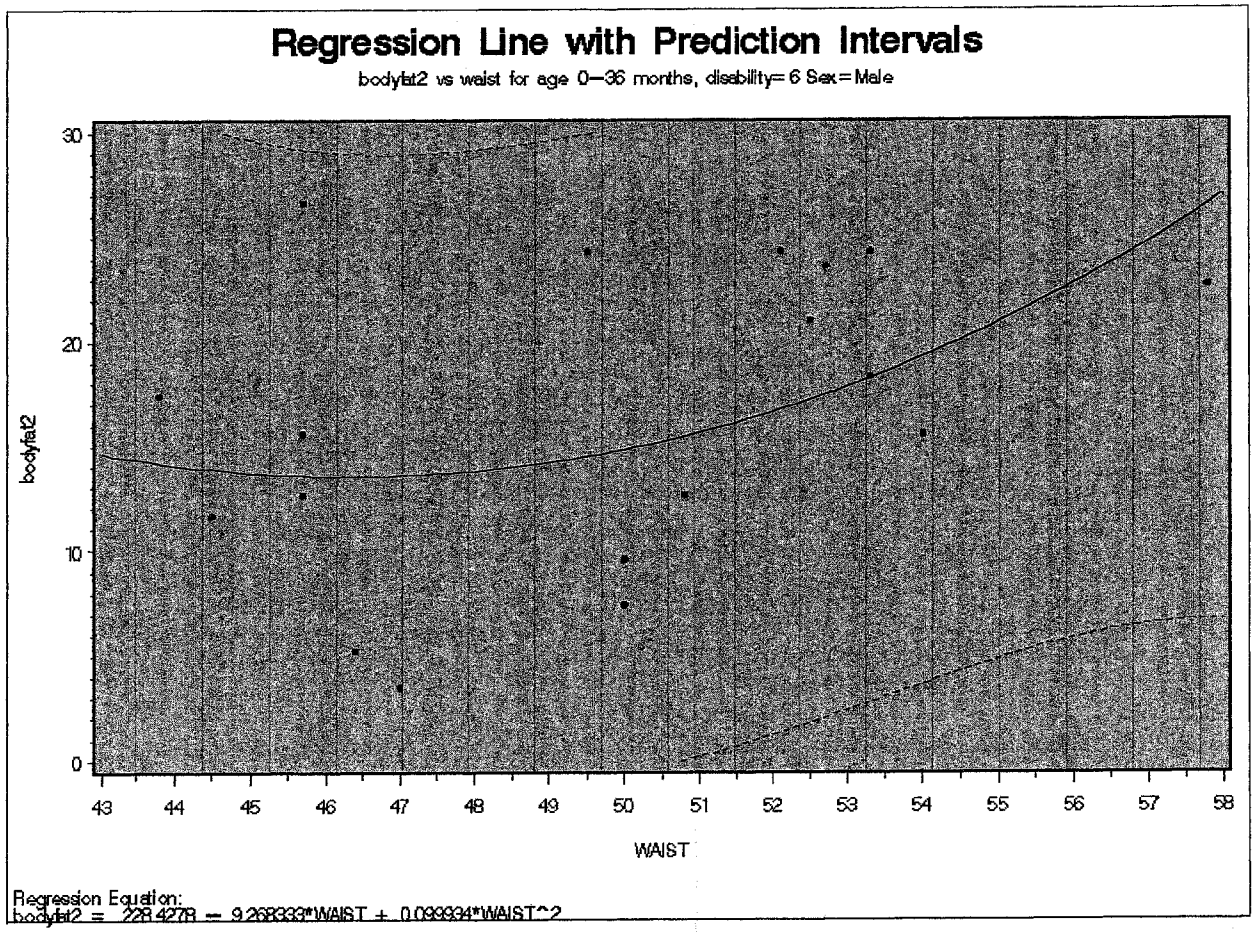


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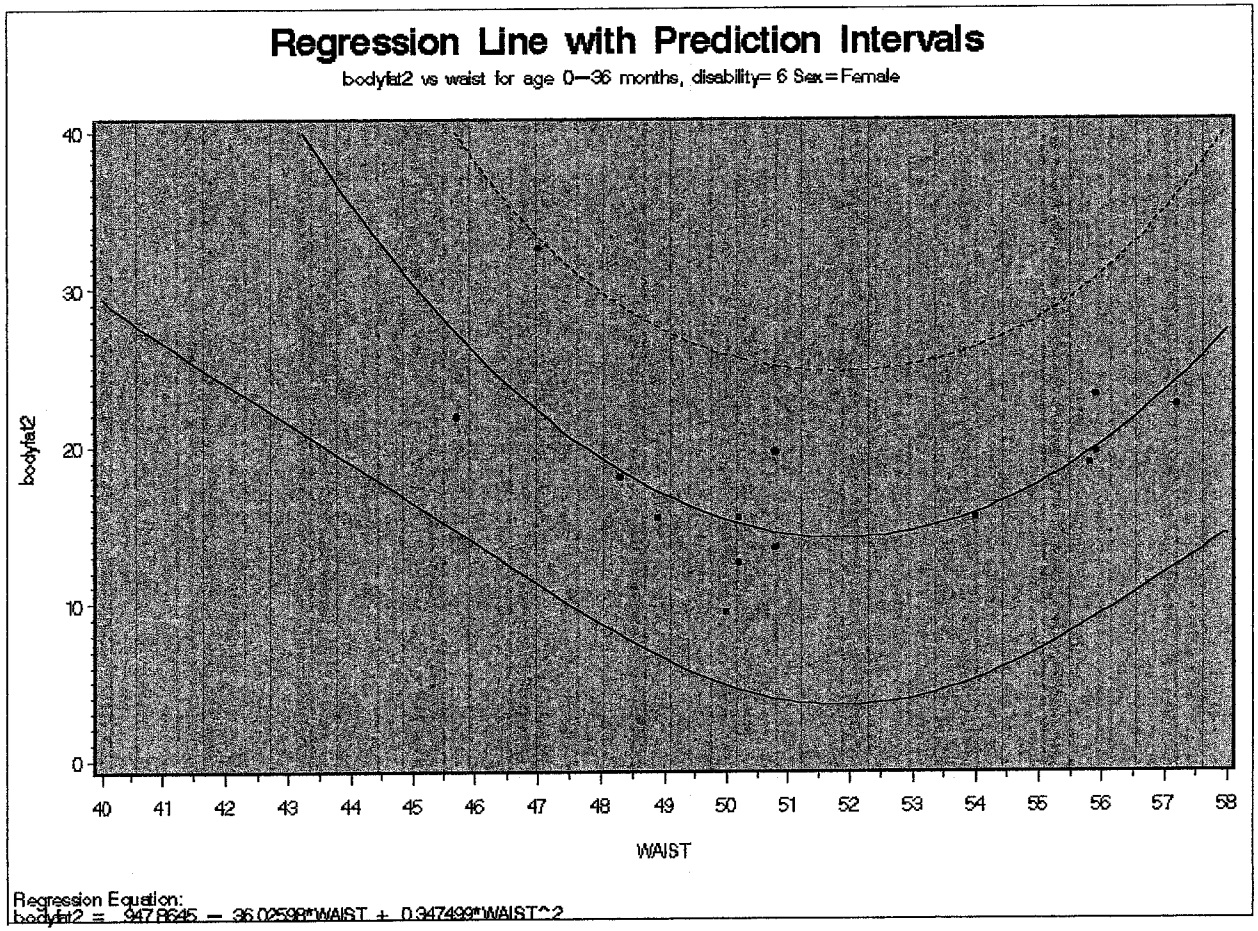
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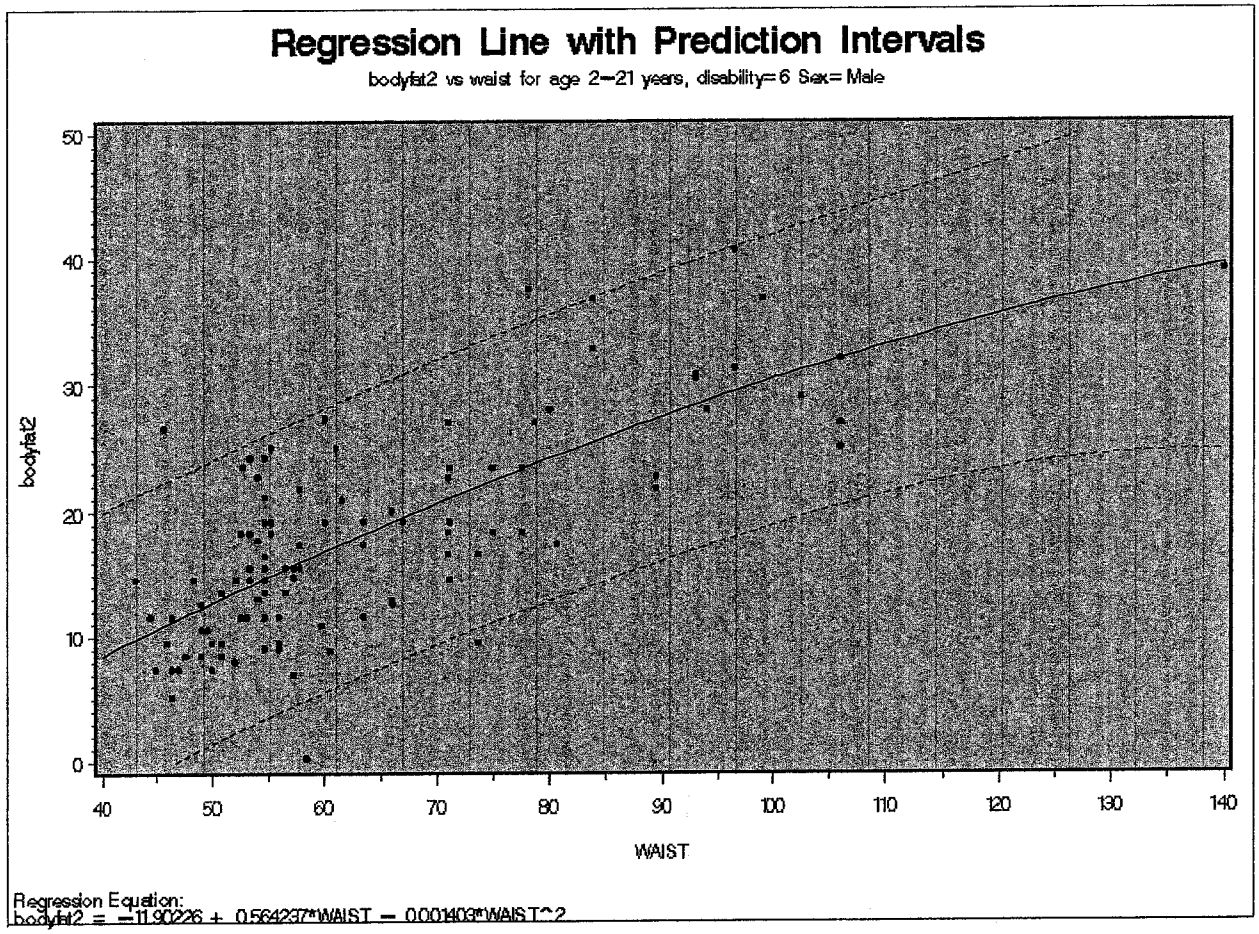
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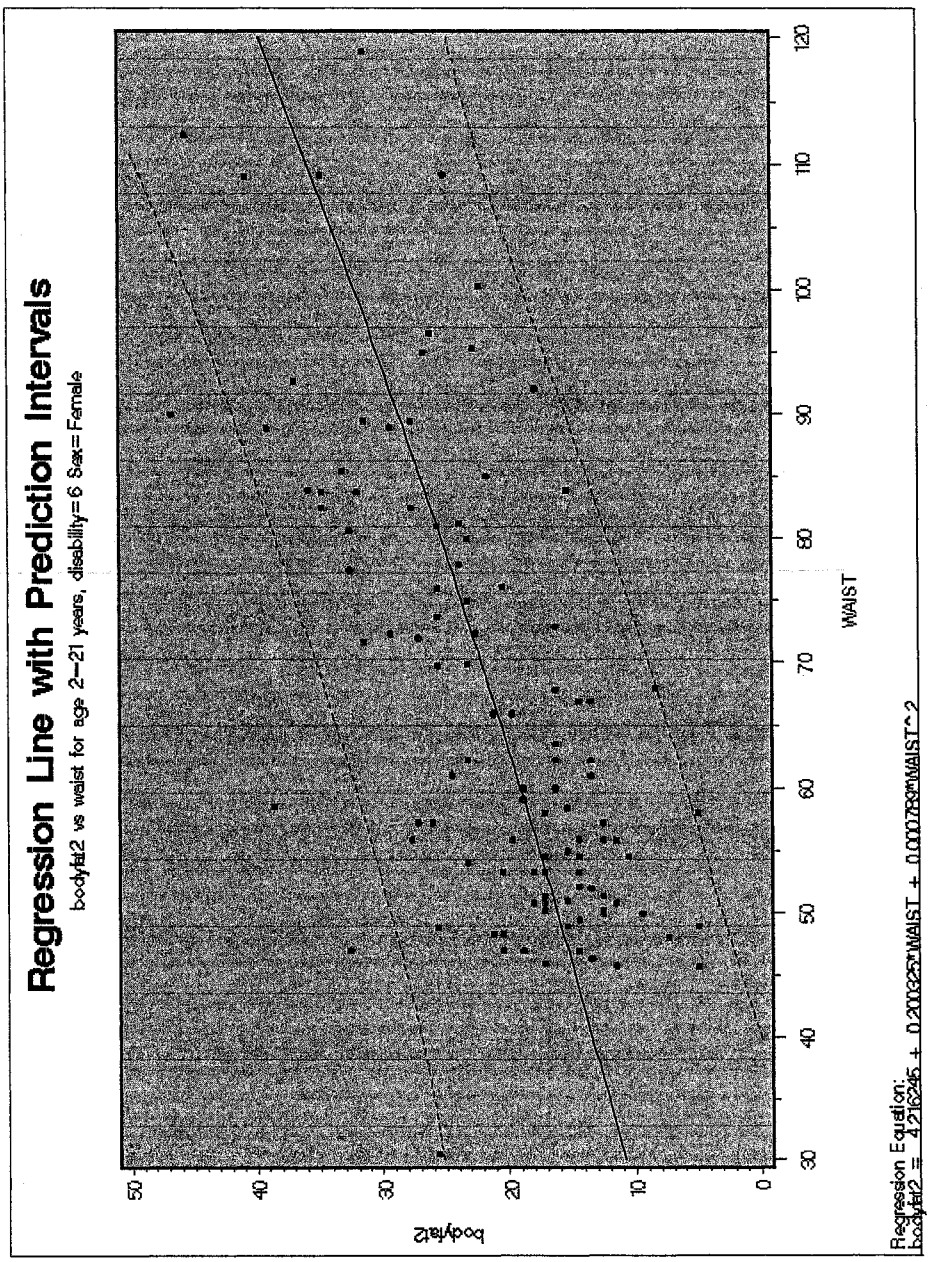


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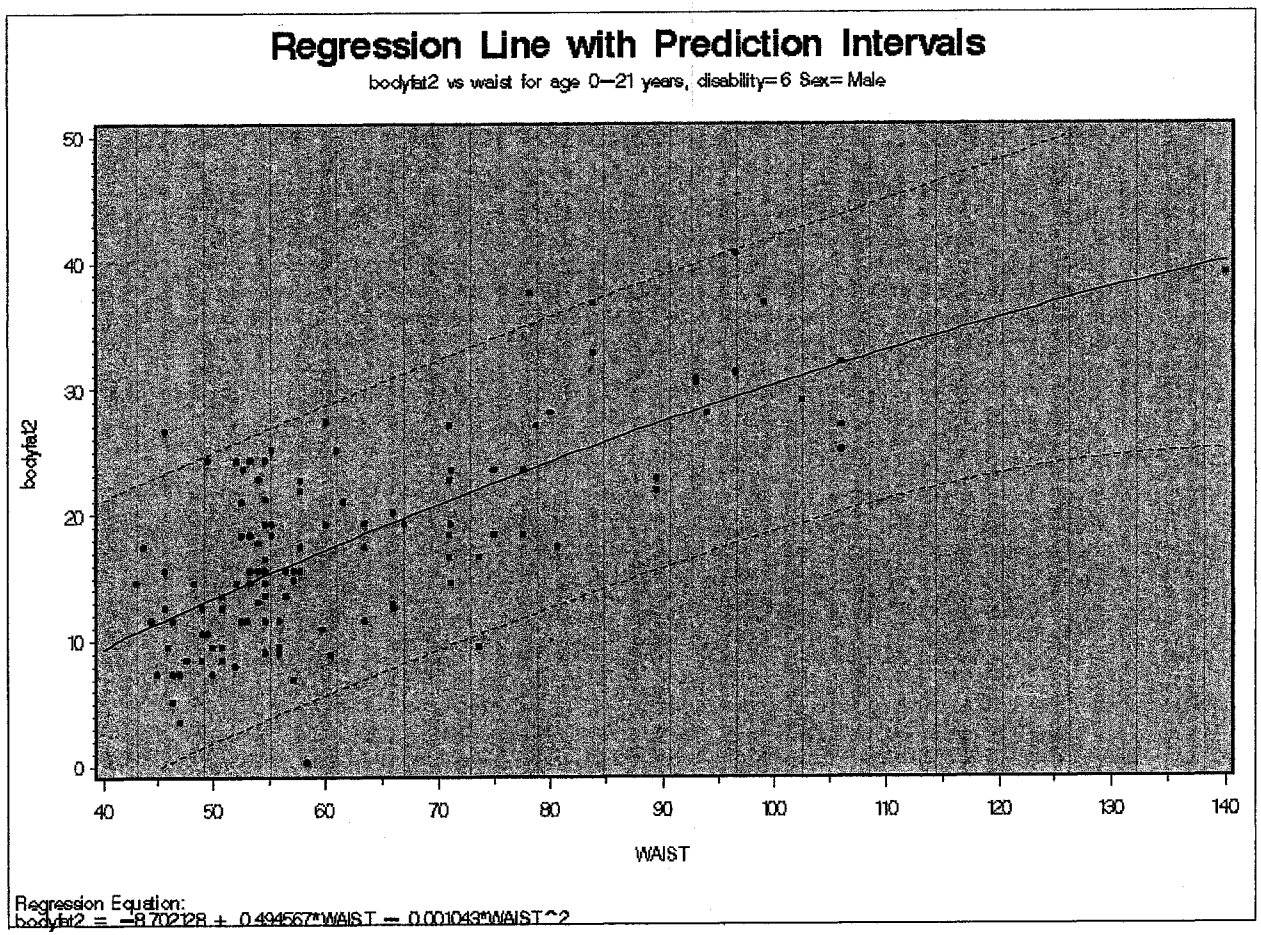
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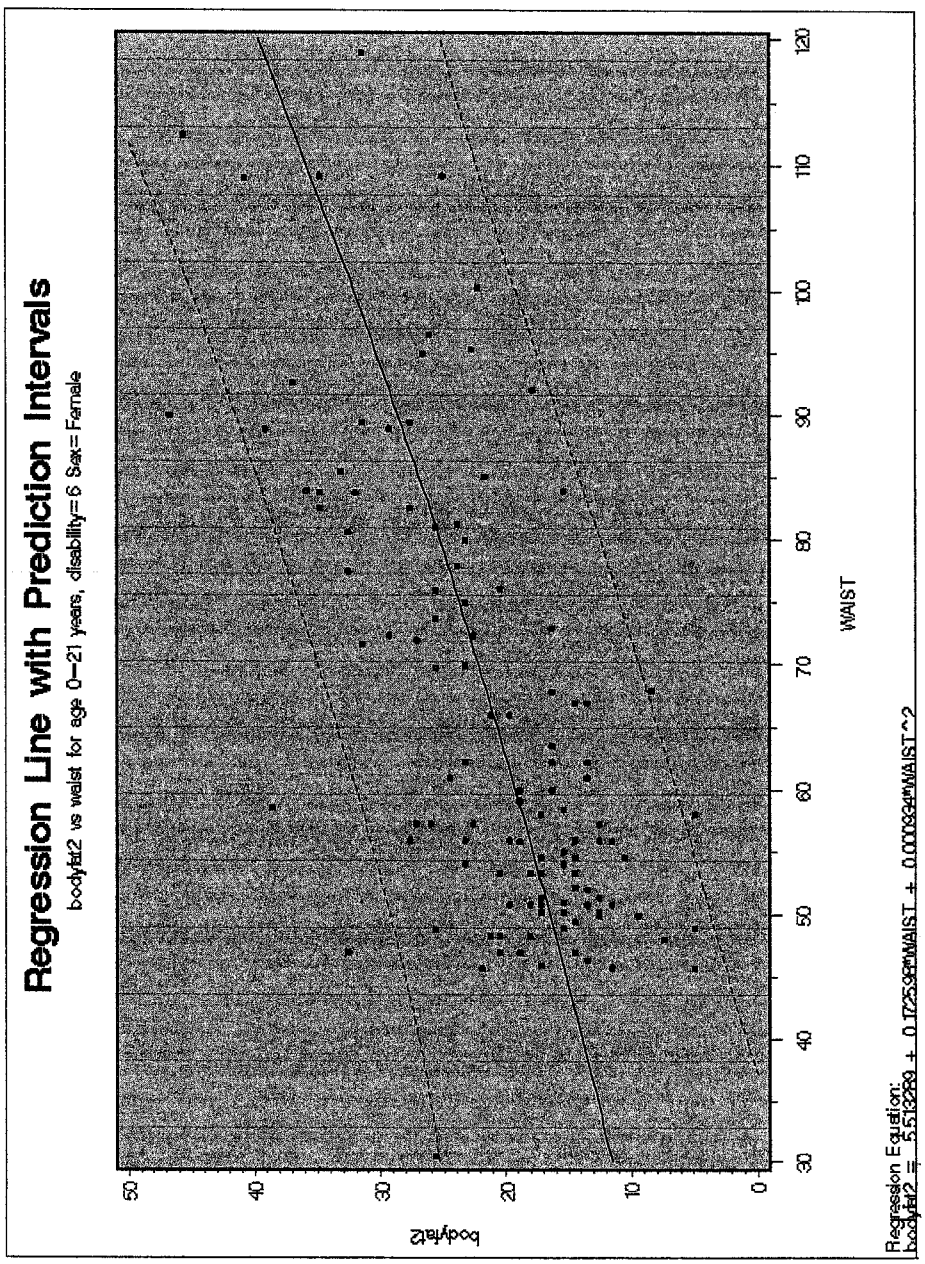




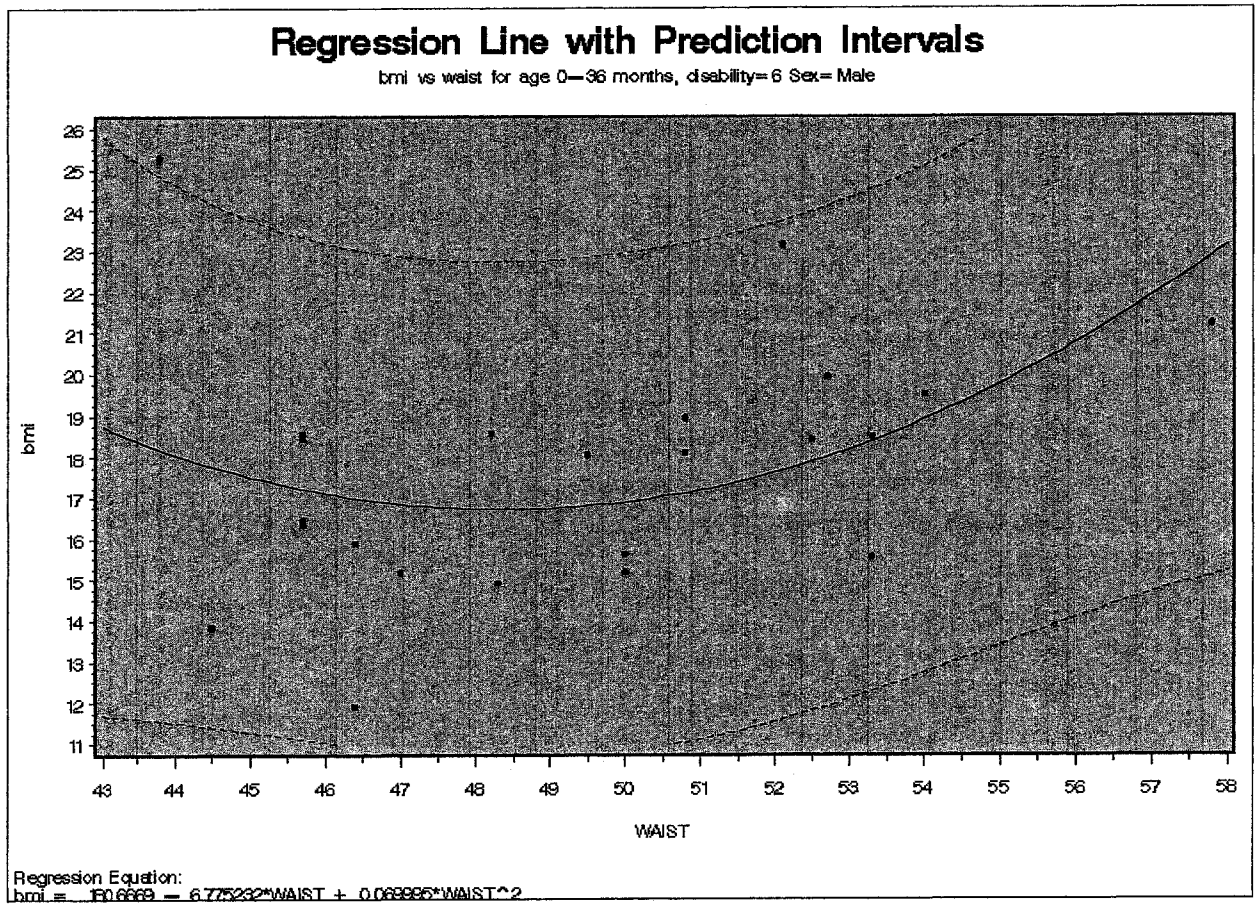
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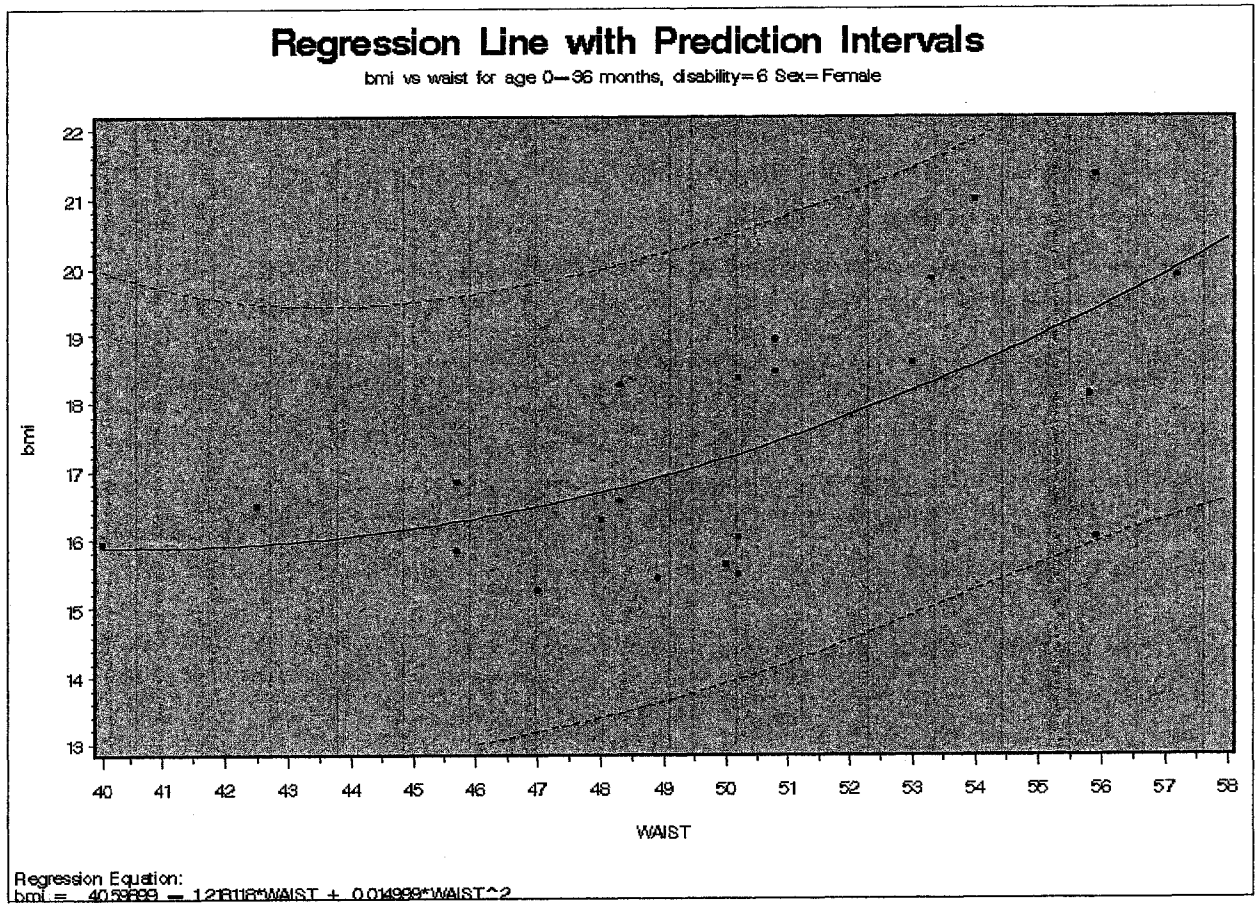


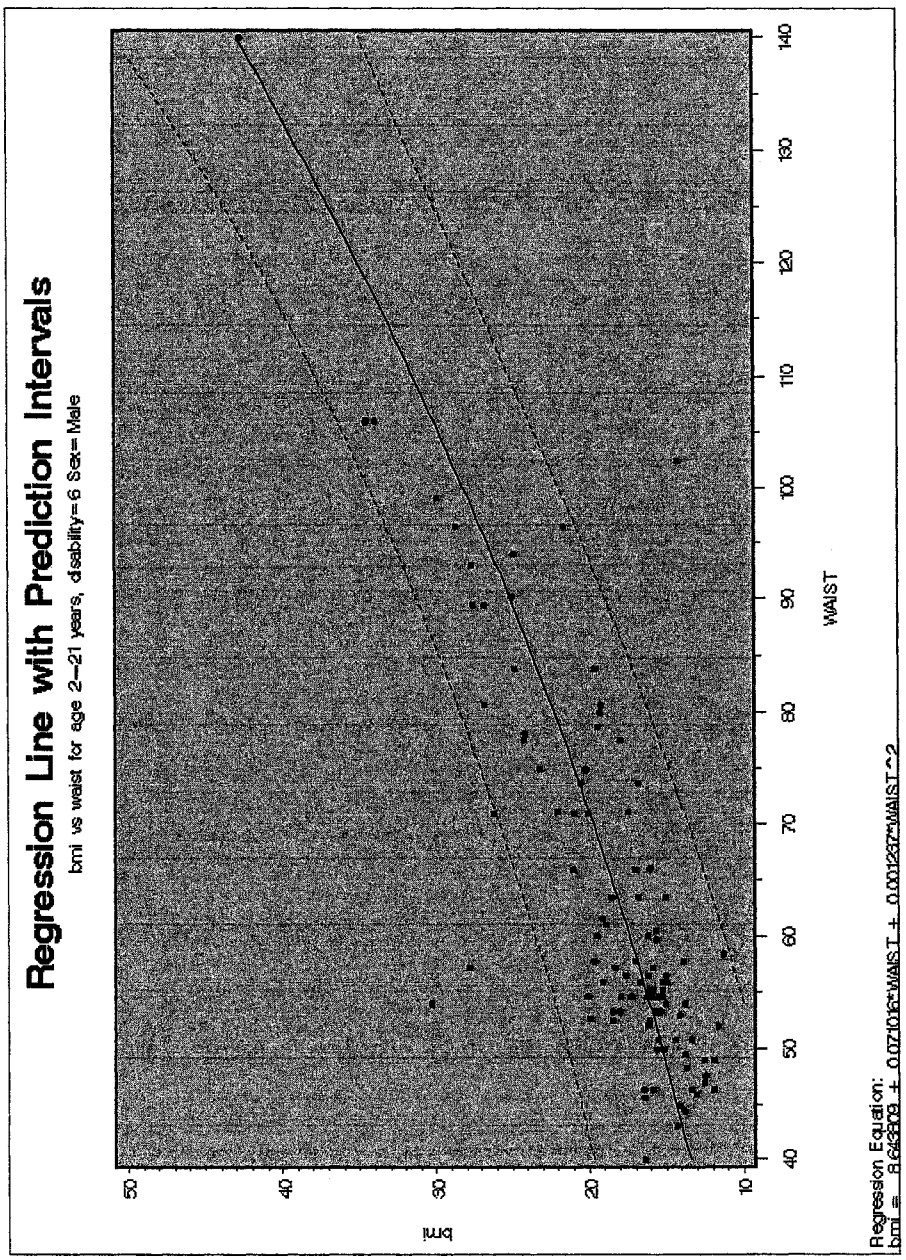
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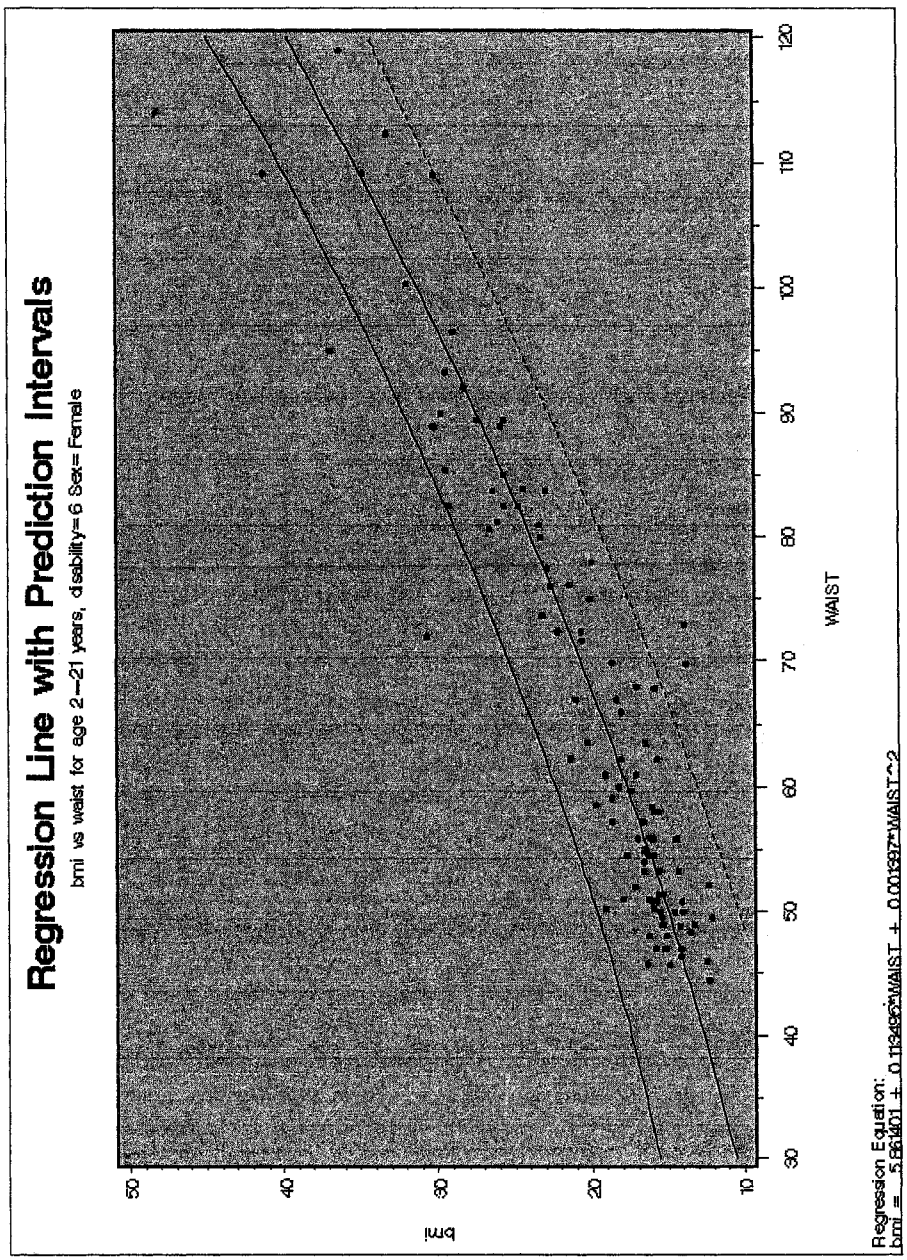
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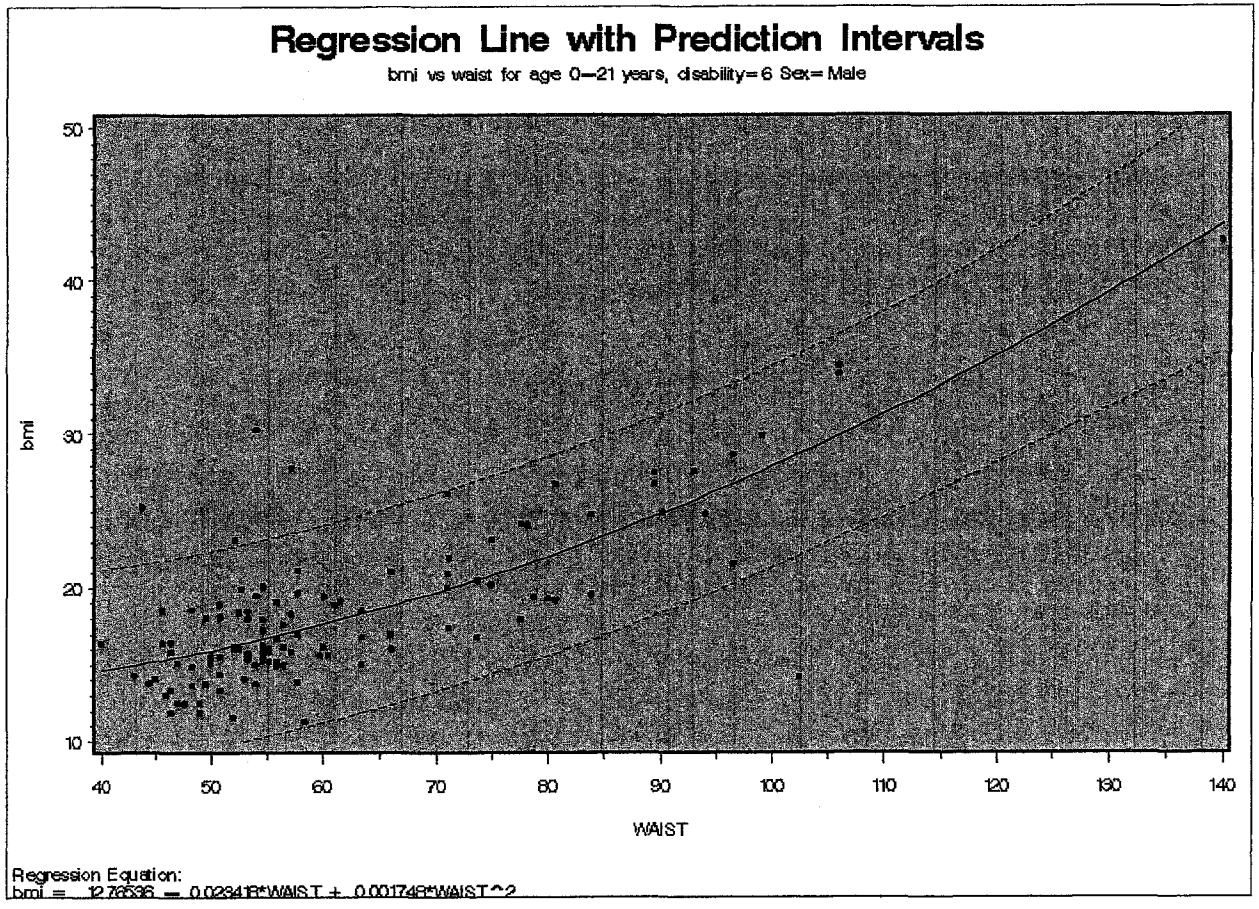




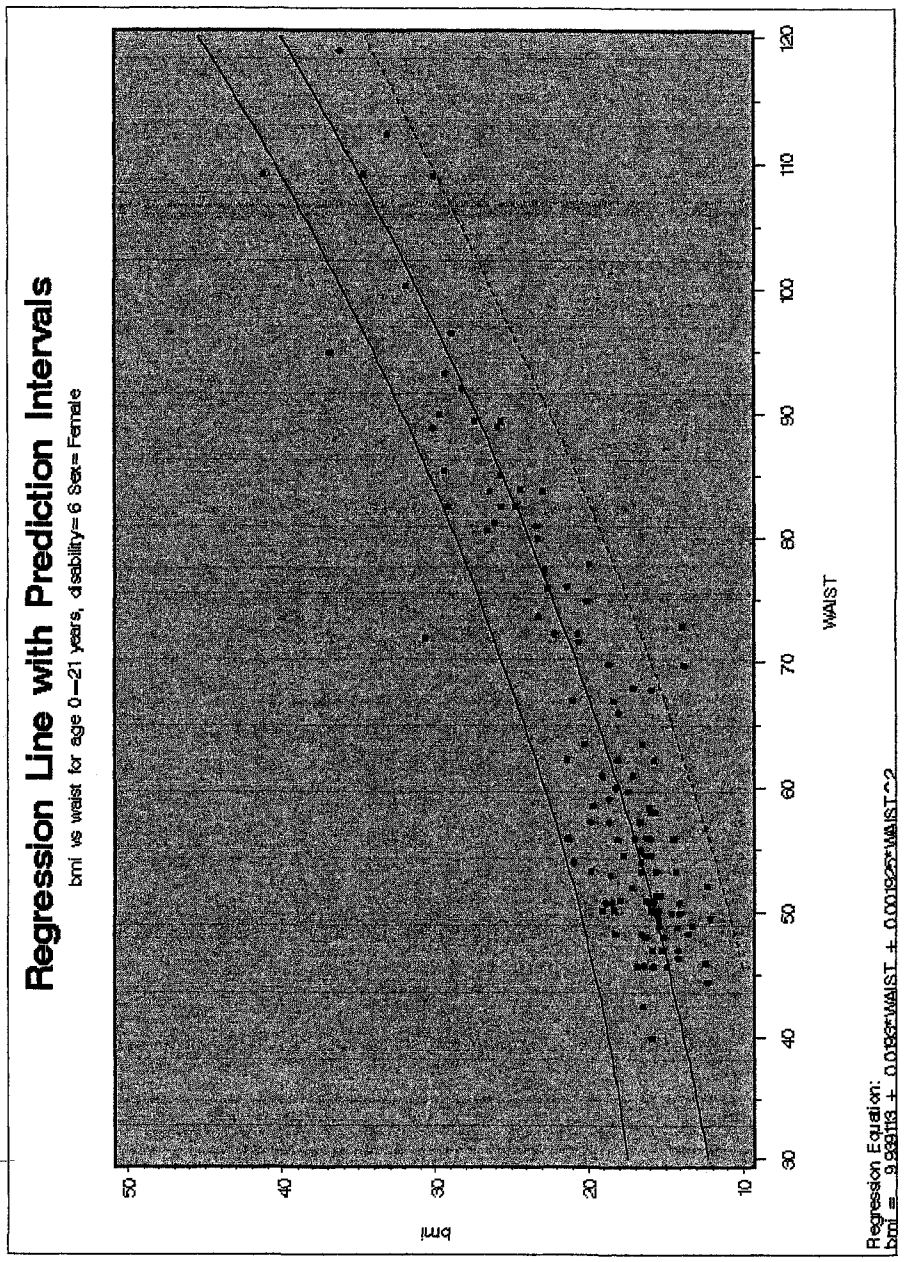
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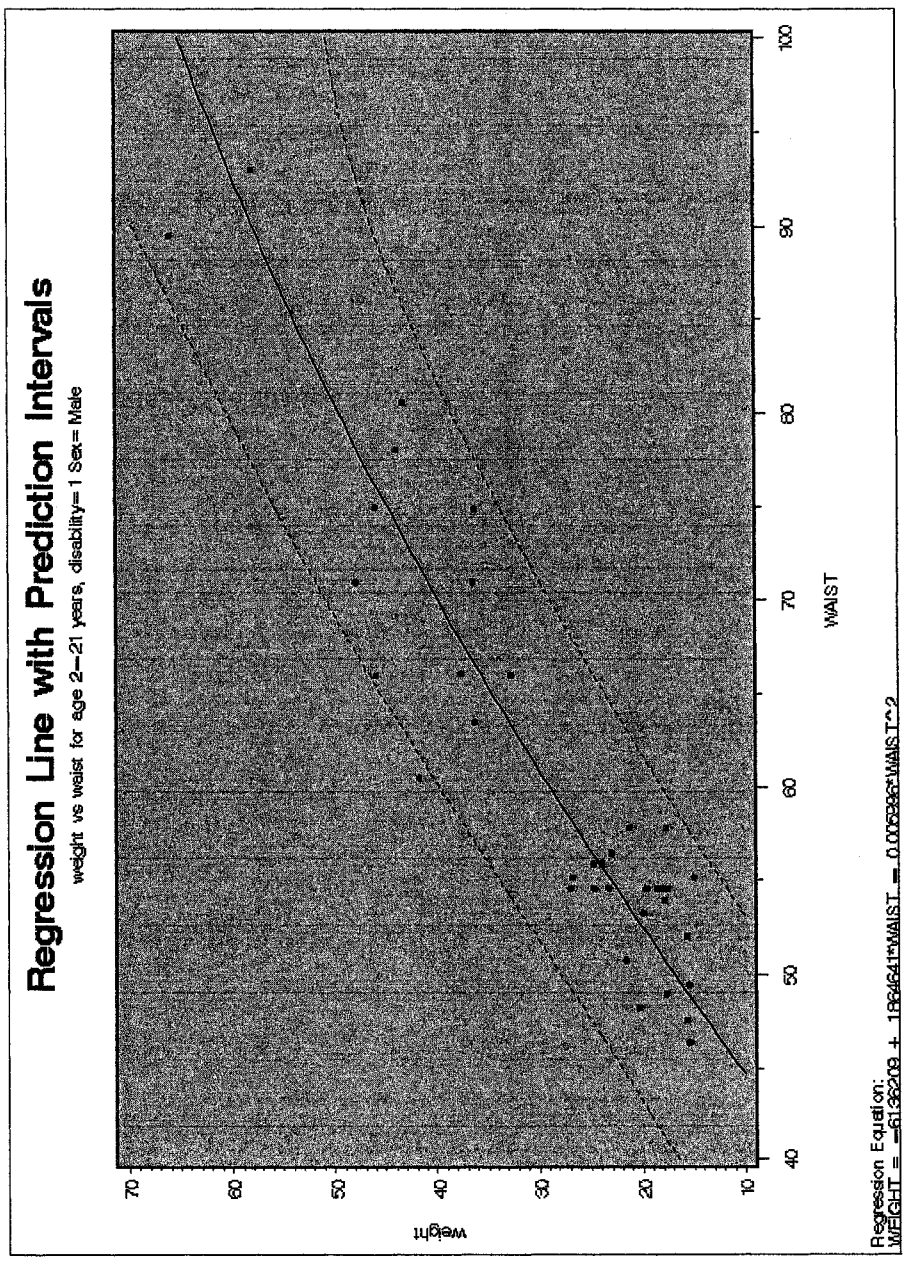
APPENDIX H (cont)

LINEAR REGRESSION GRAPHS
WAIST CIRCUMFERENCE TO WEIGHT, AGE, PERCENT BODYFAT, BMI
DISABILITY POPULATION
SEPARATED DATA

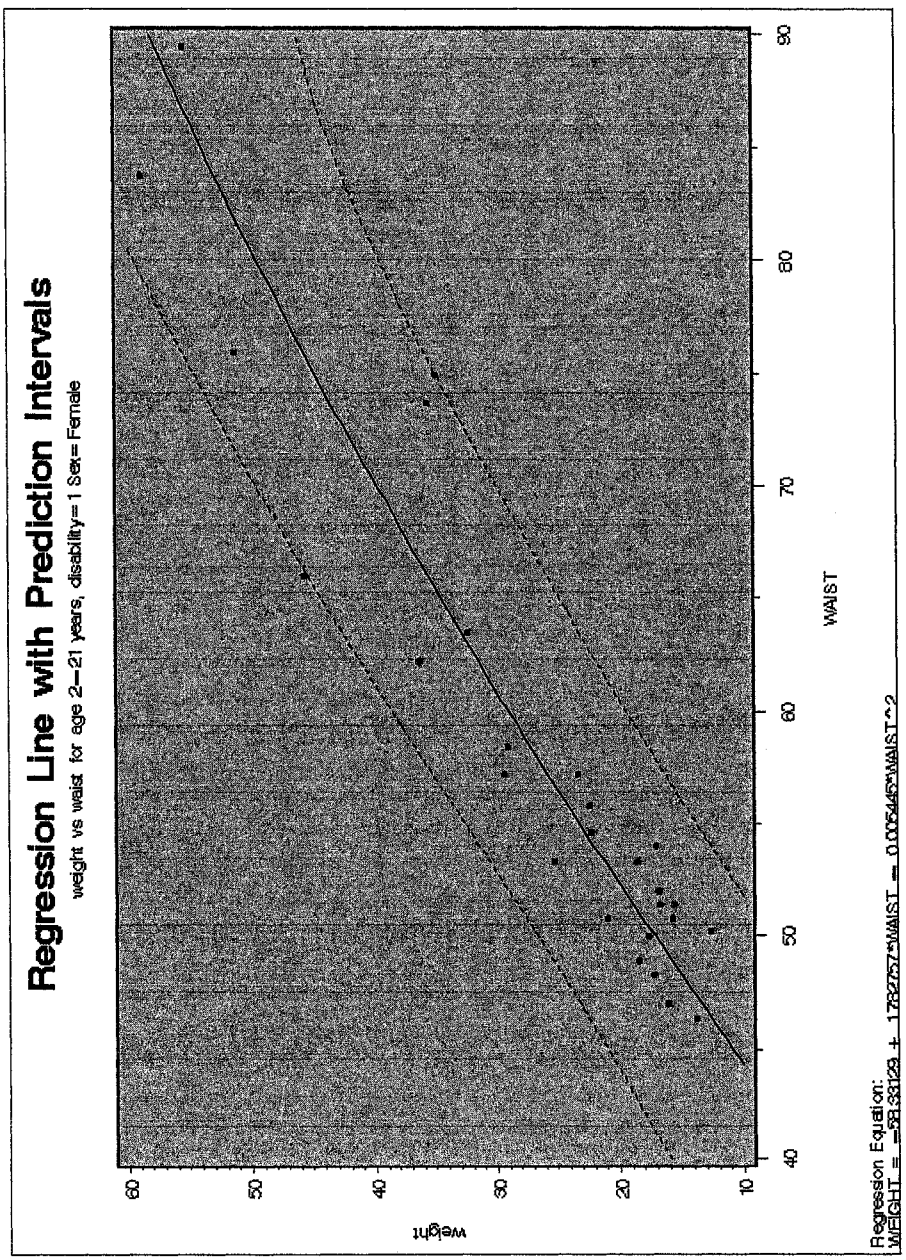
1=CRANIOFACIAL ANOMALIES

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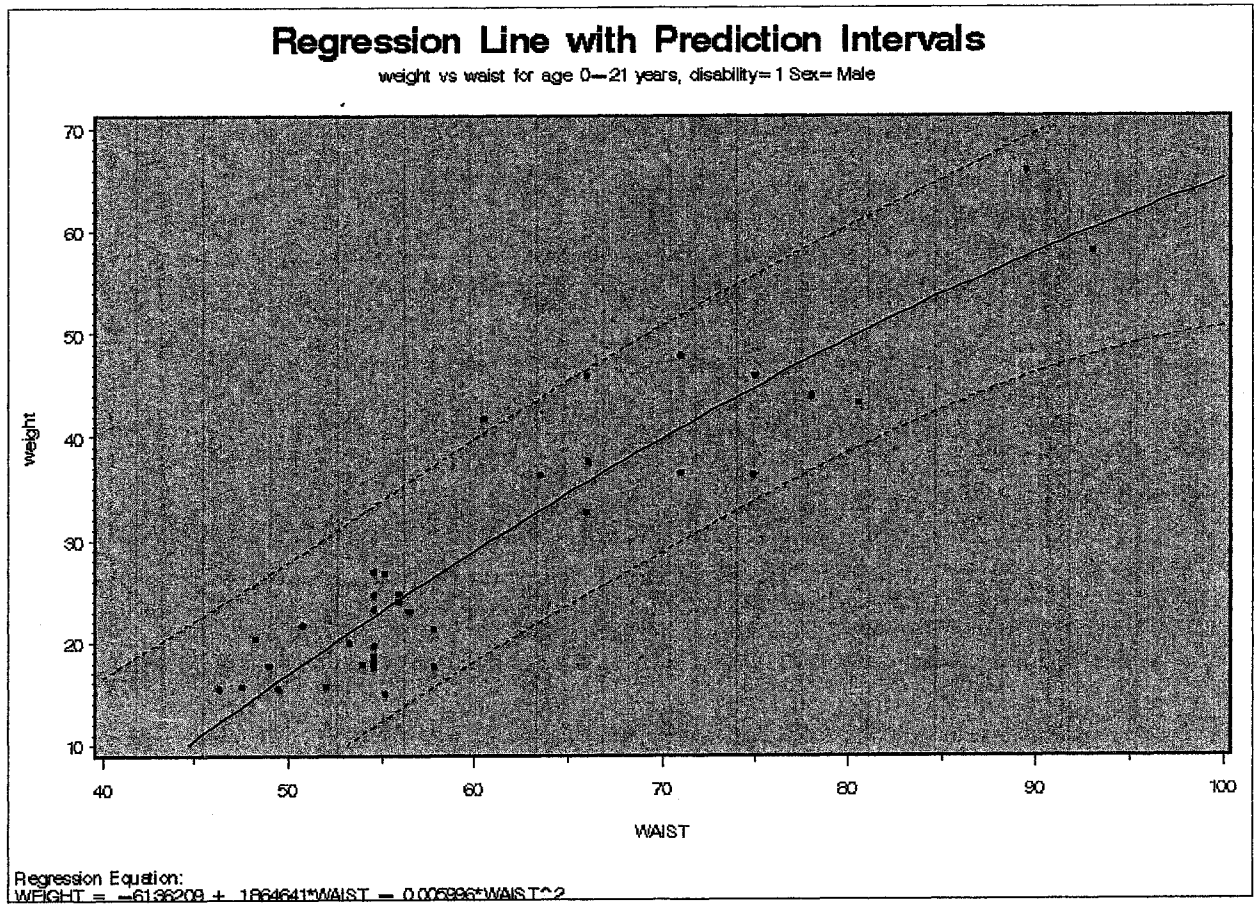


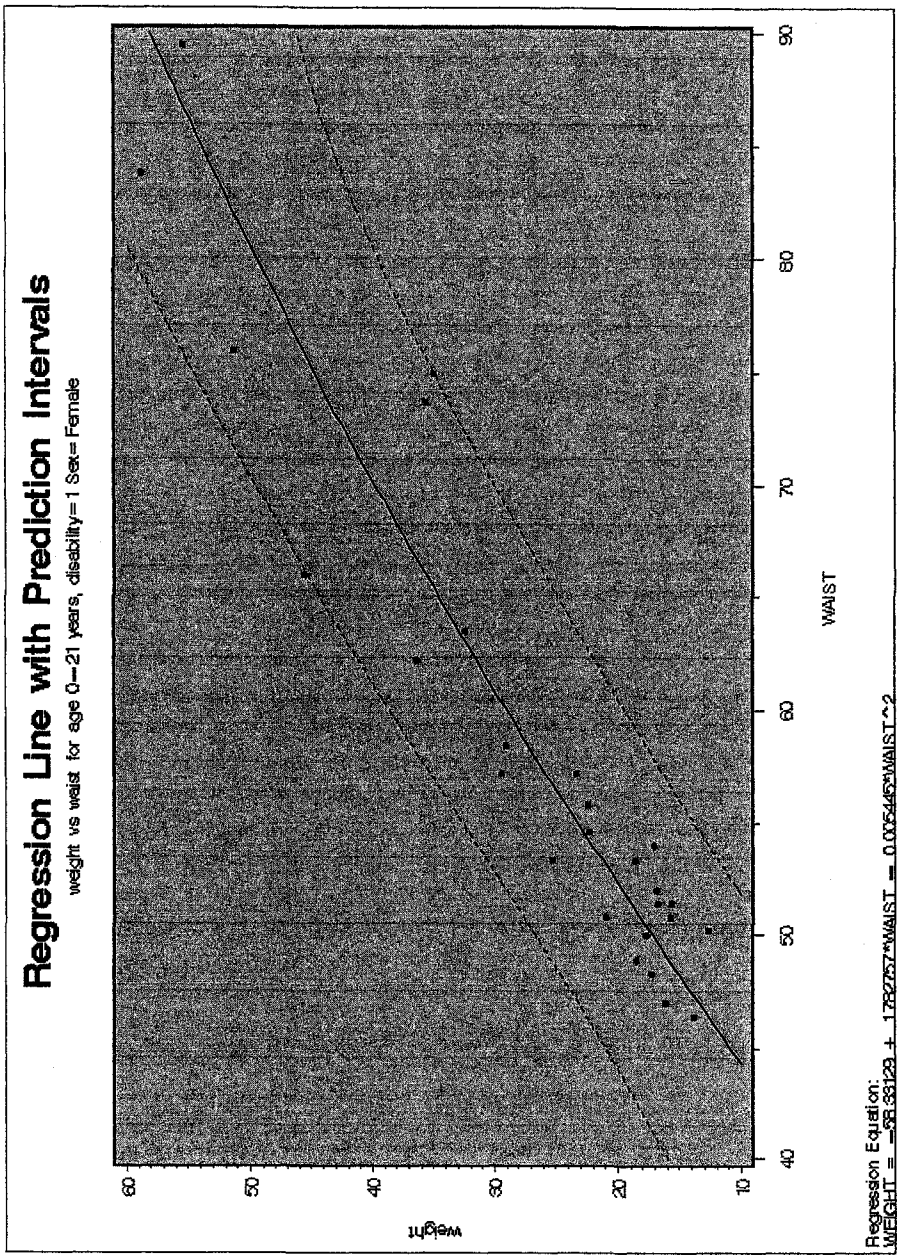
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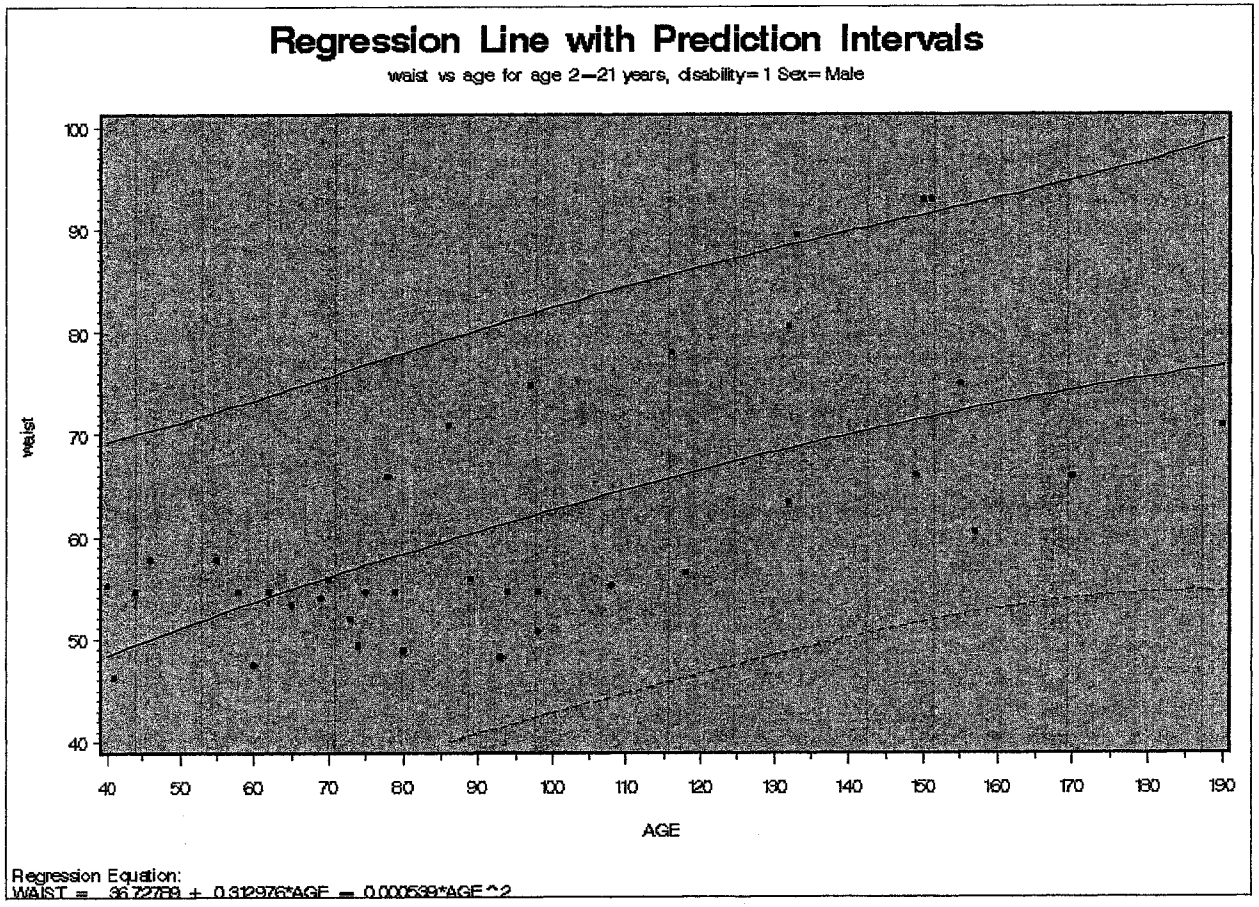
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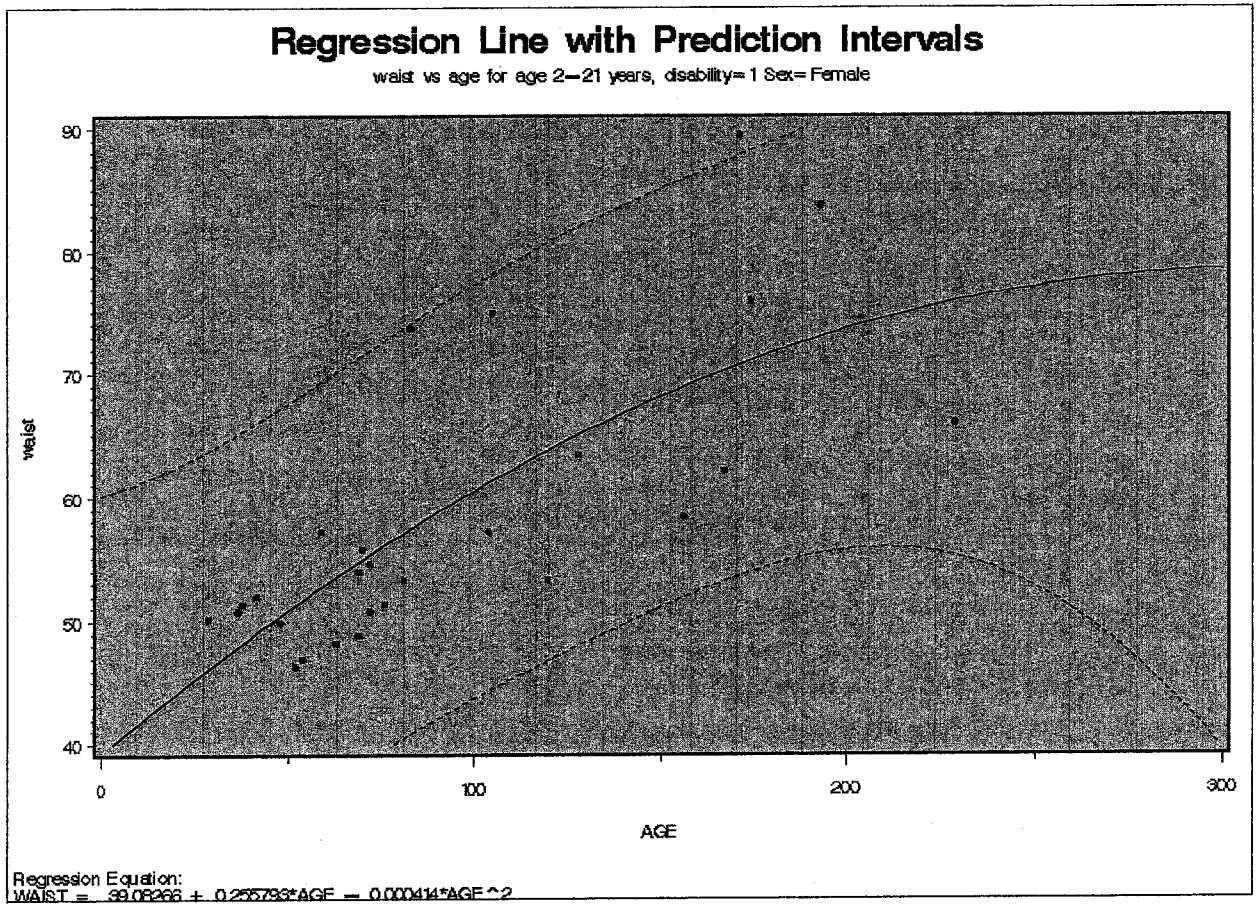
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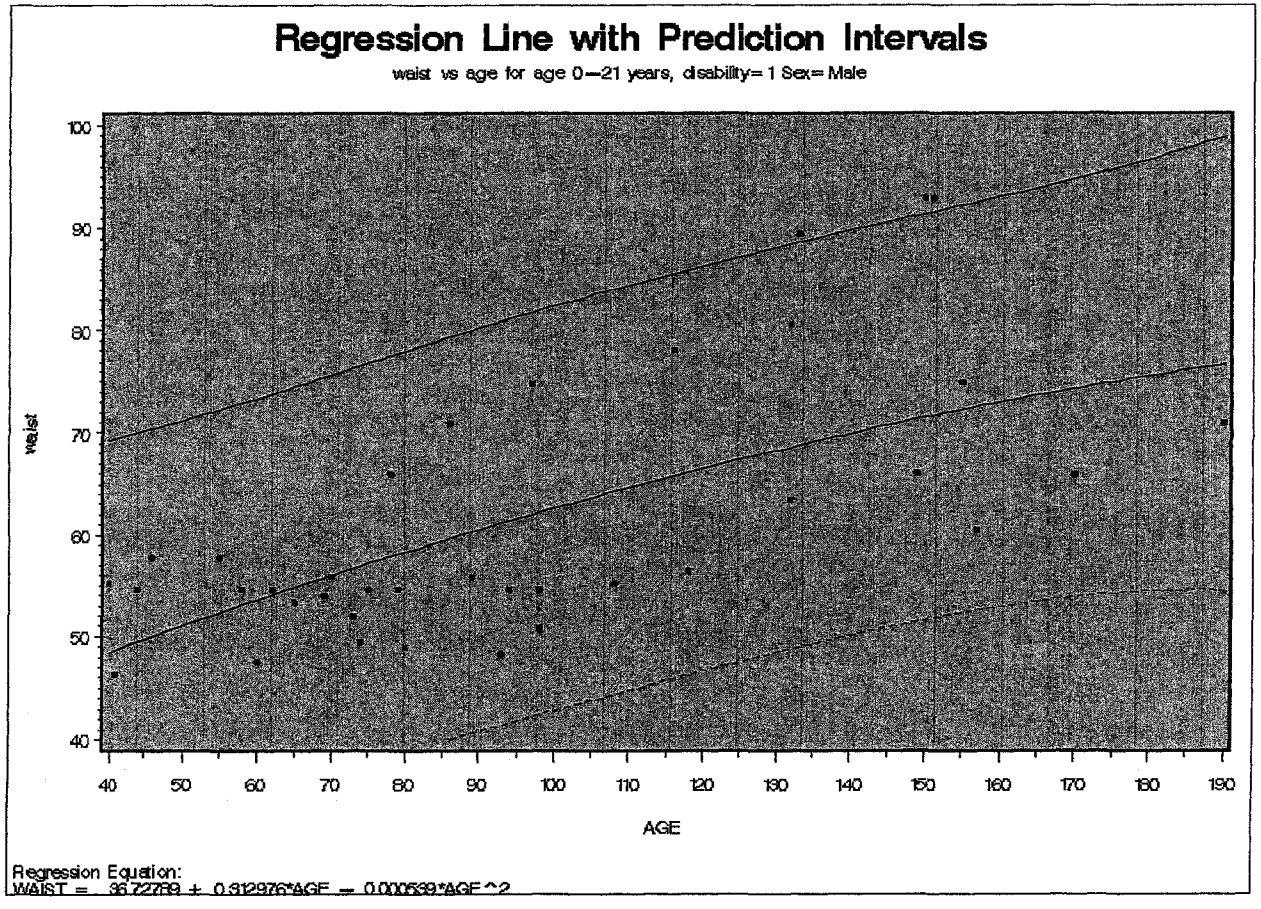


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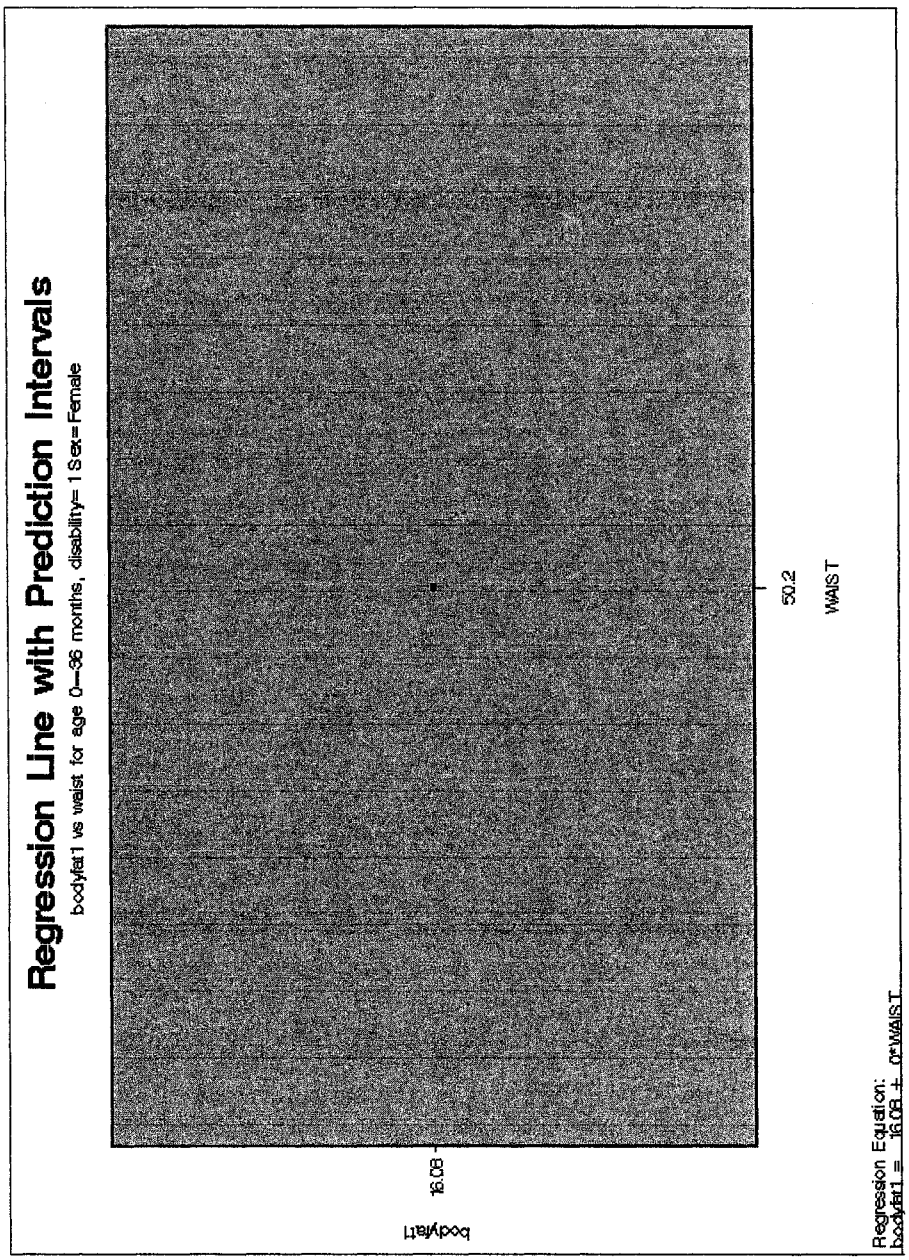
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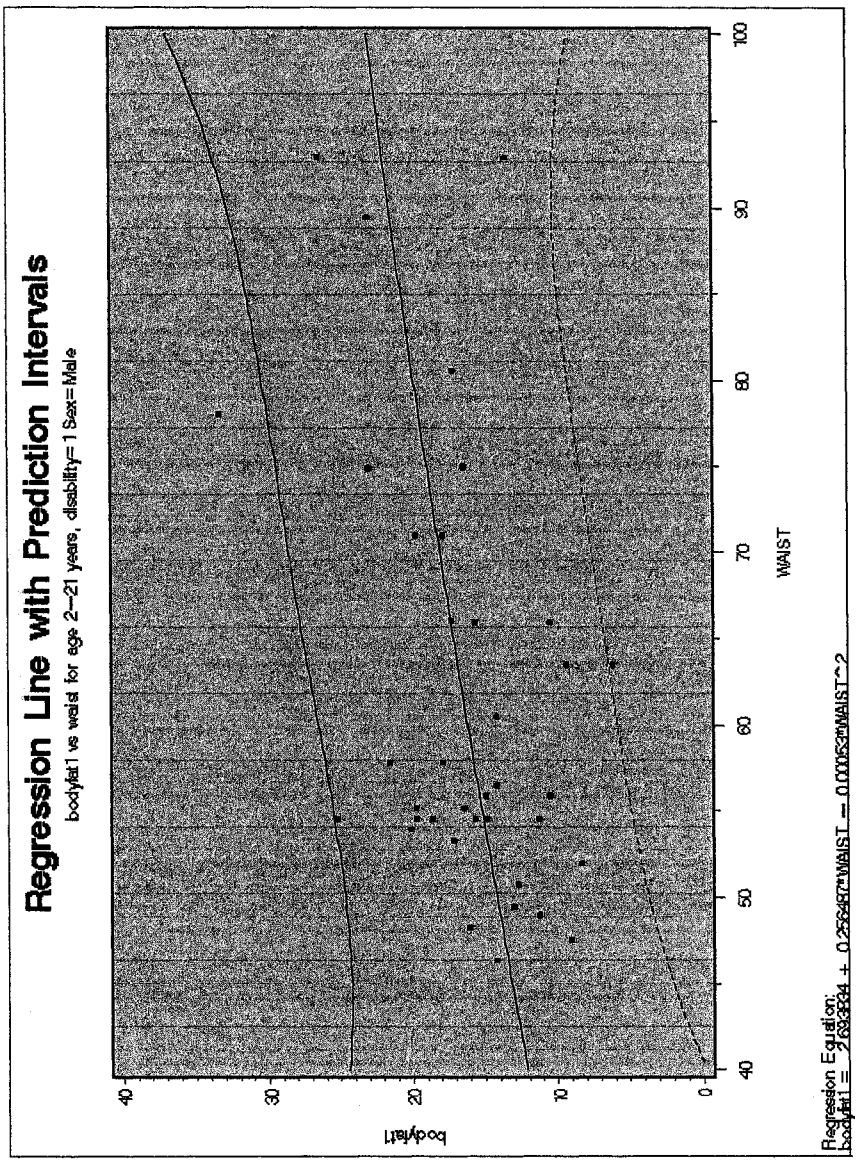


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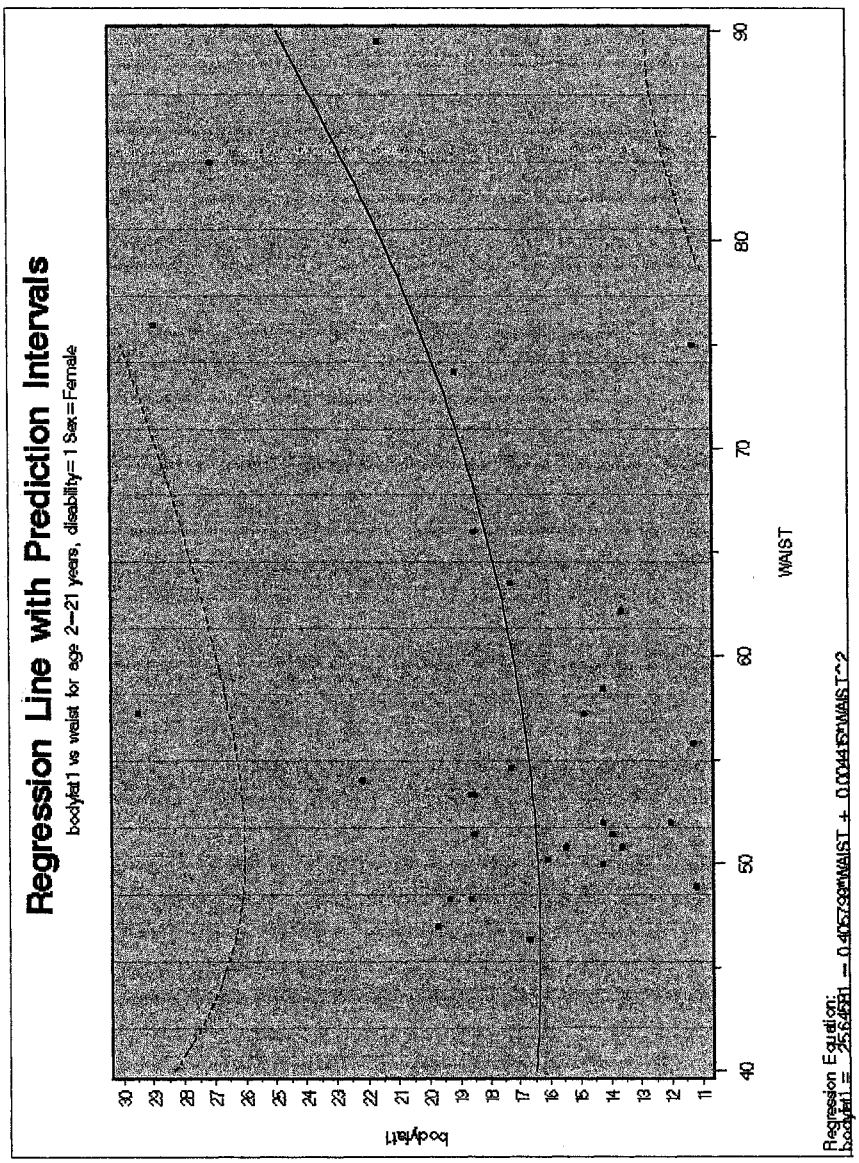
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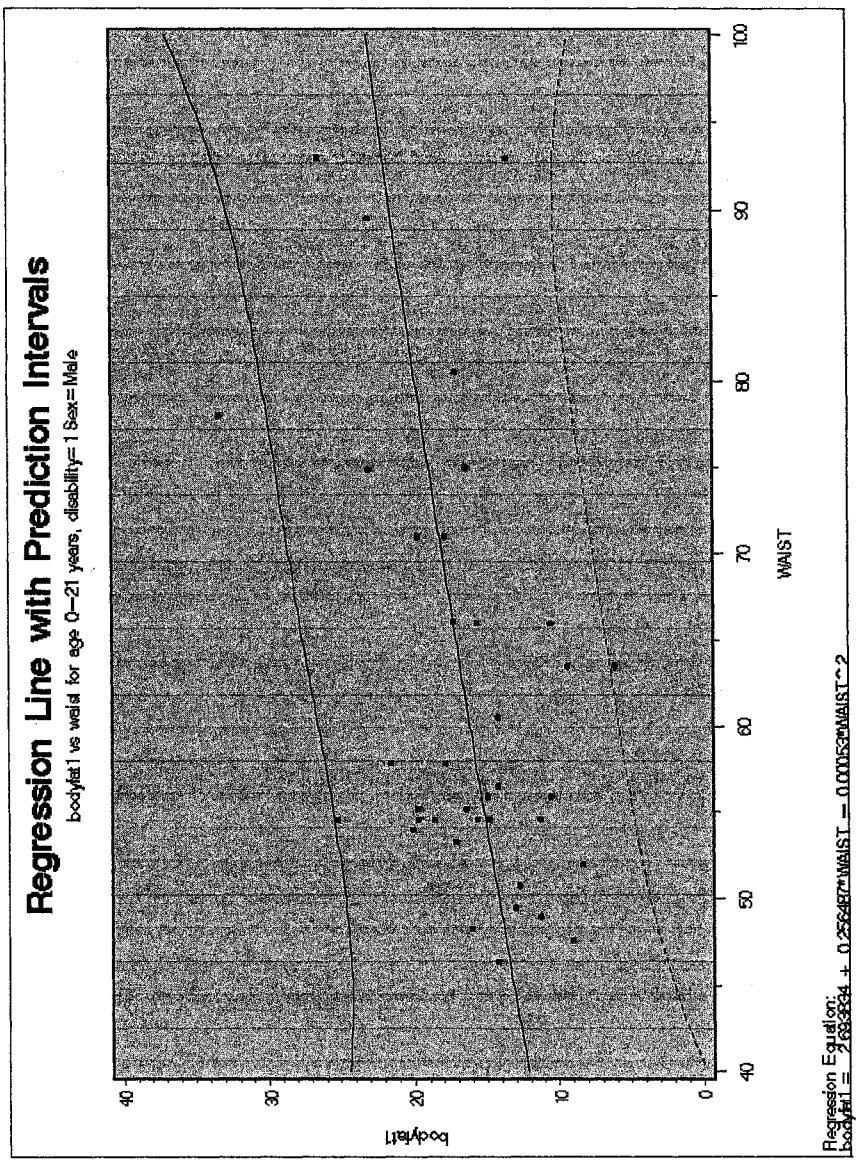
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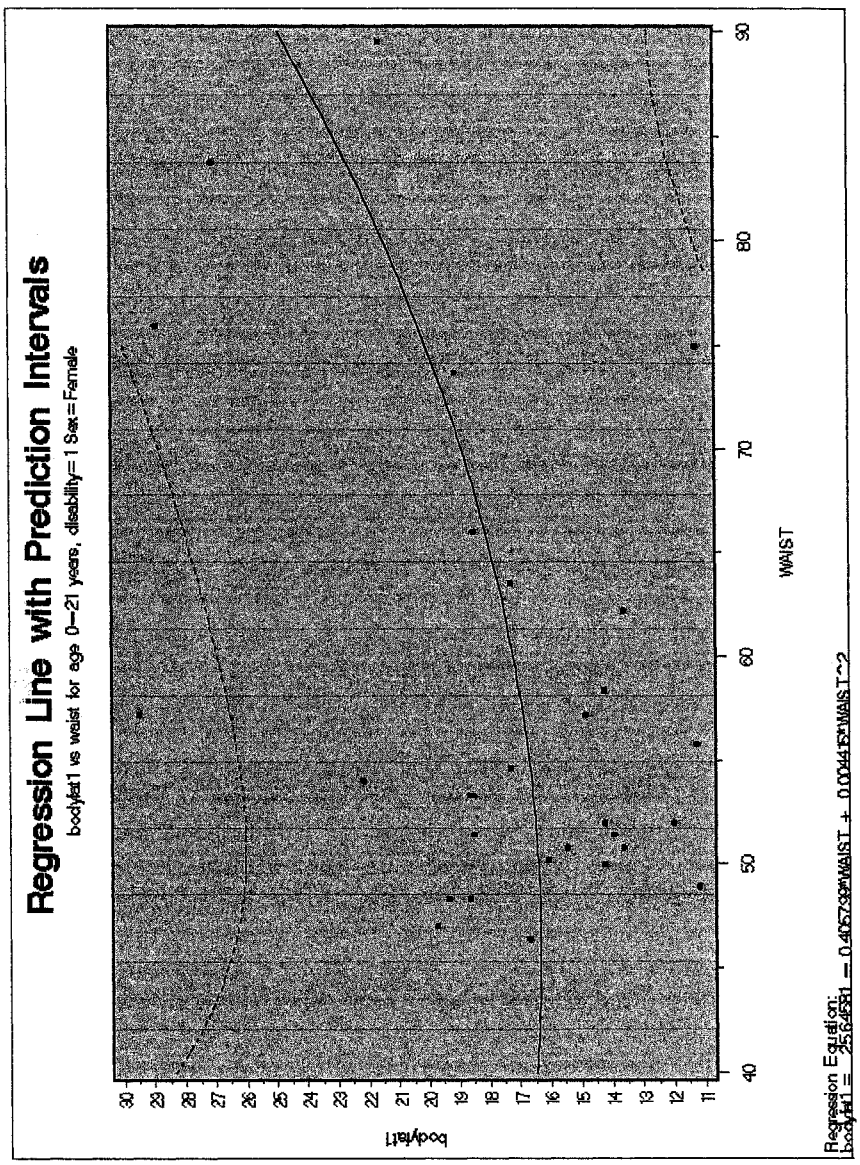
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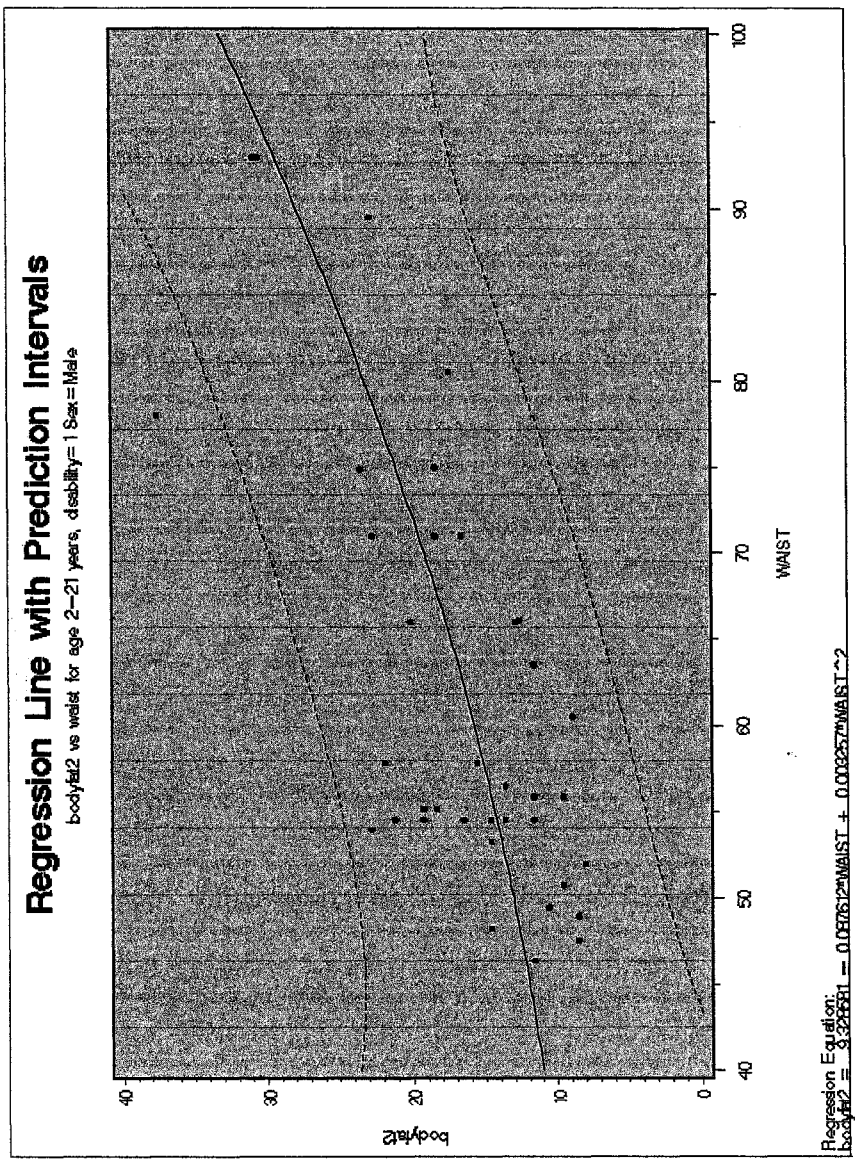


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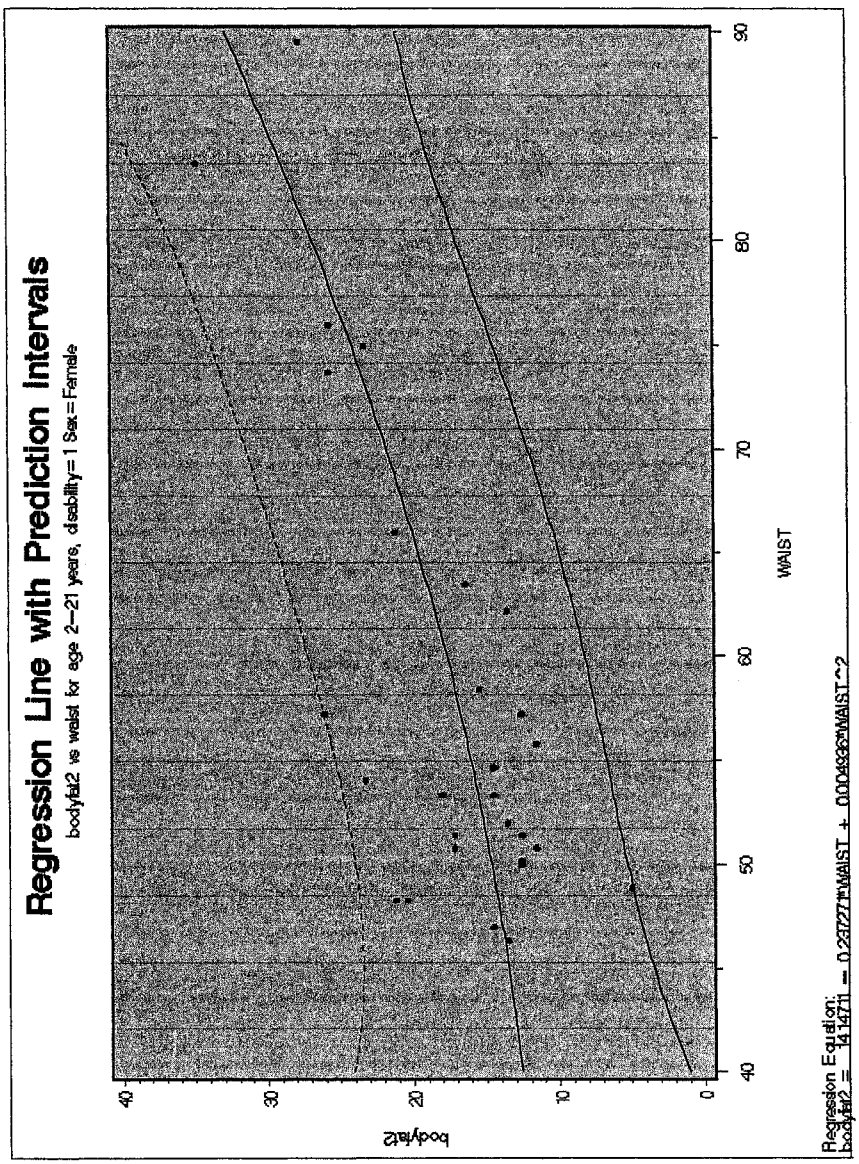


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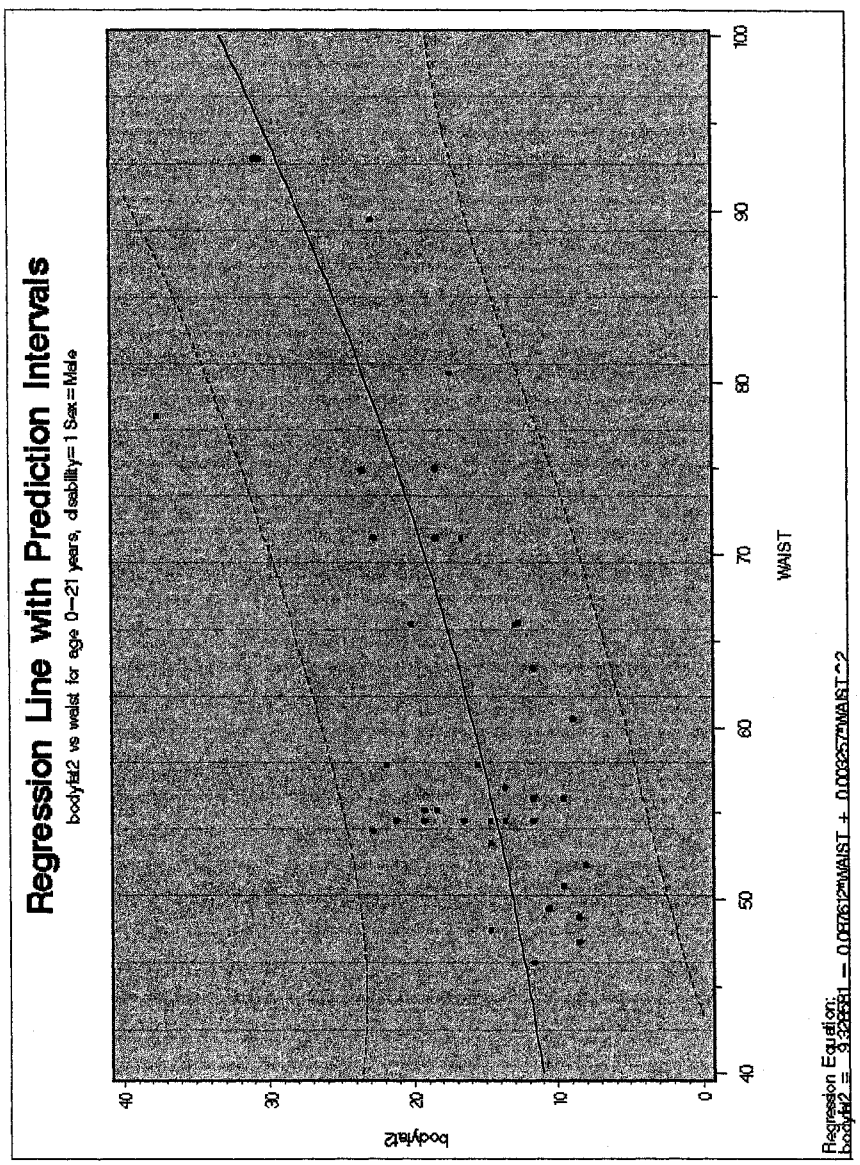
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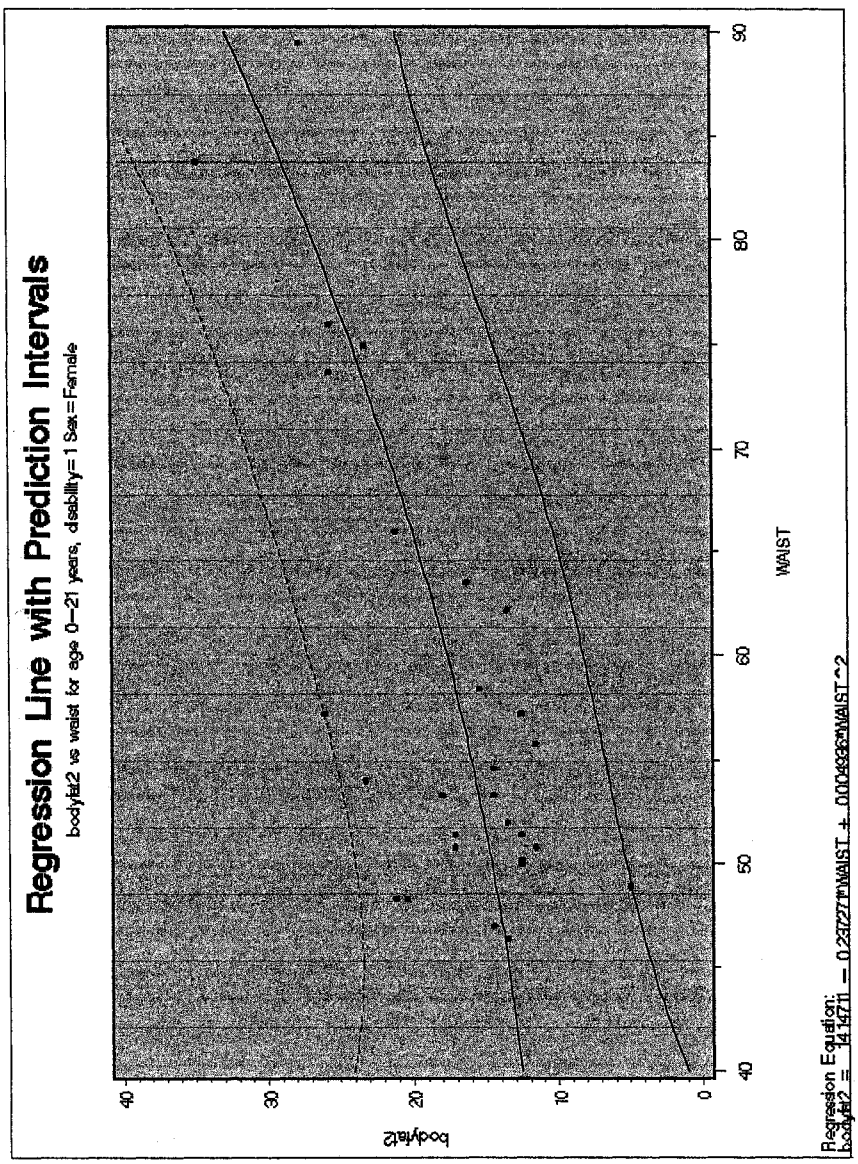
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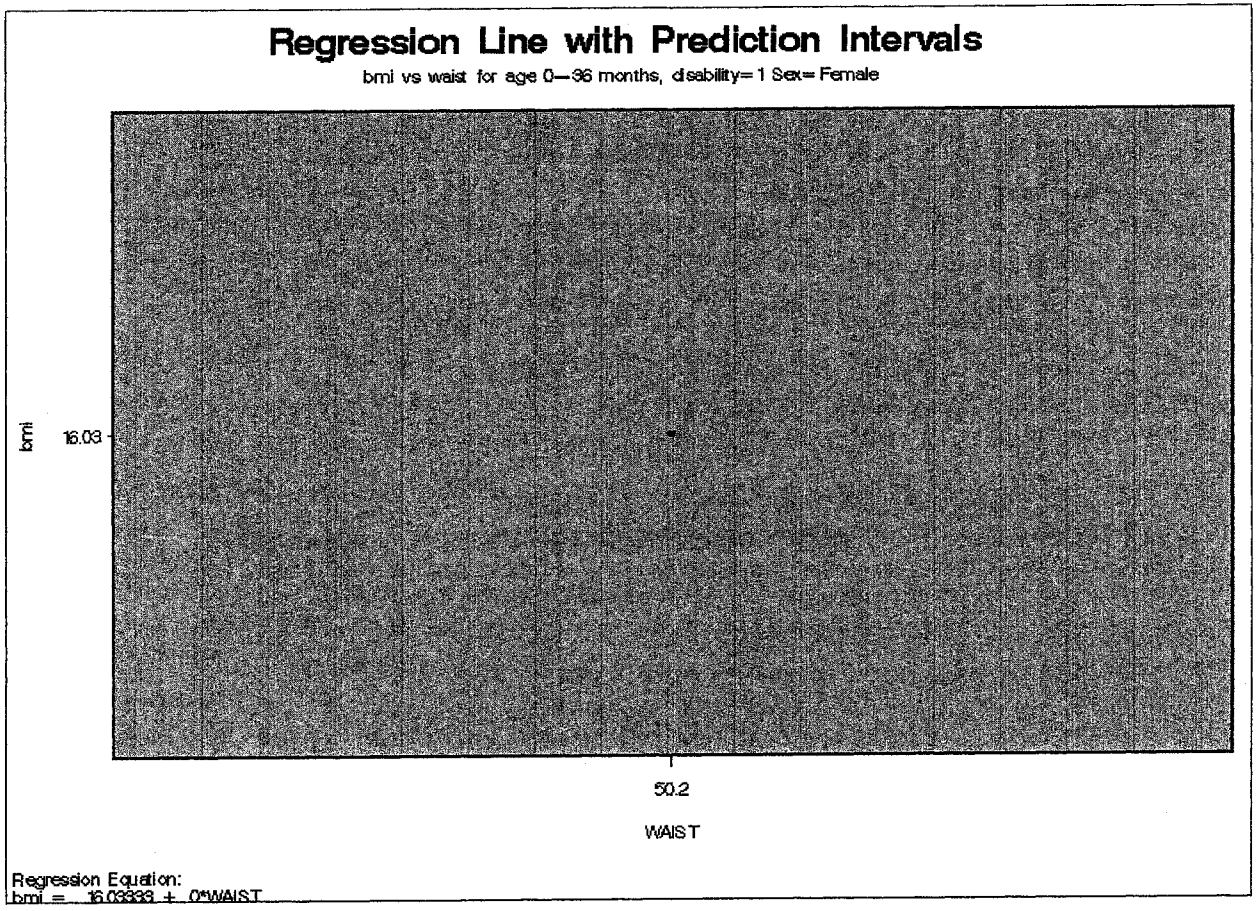
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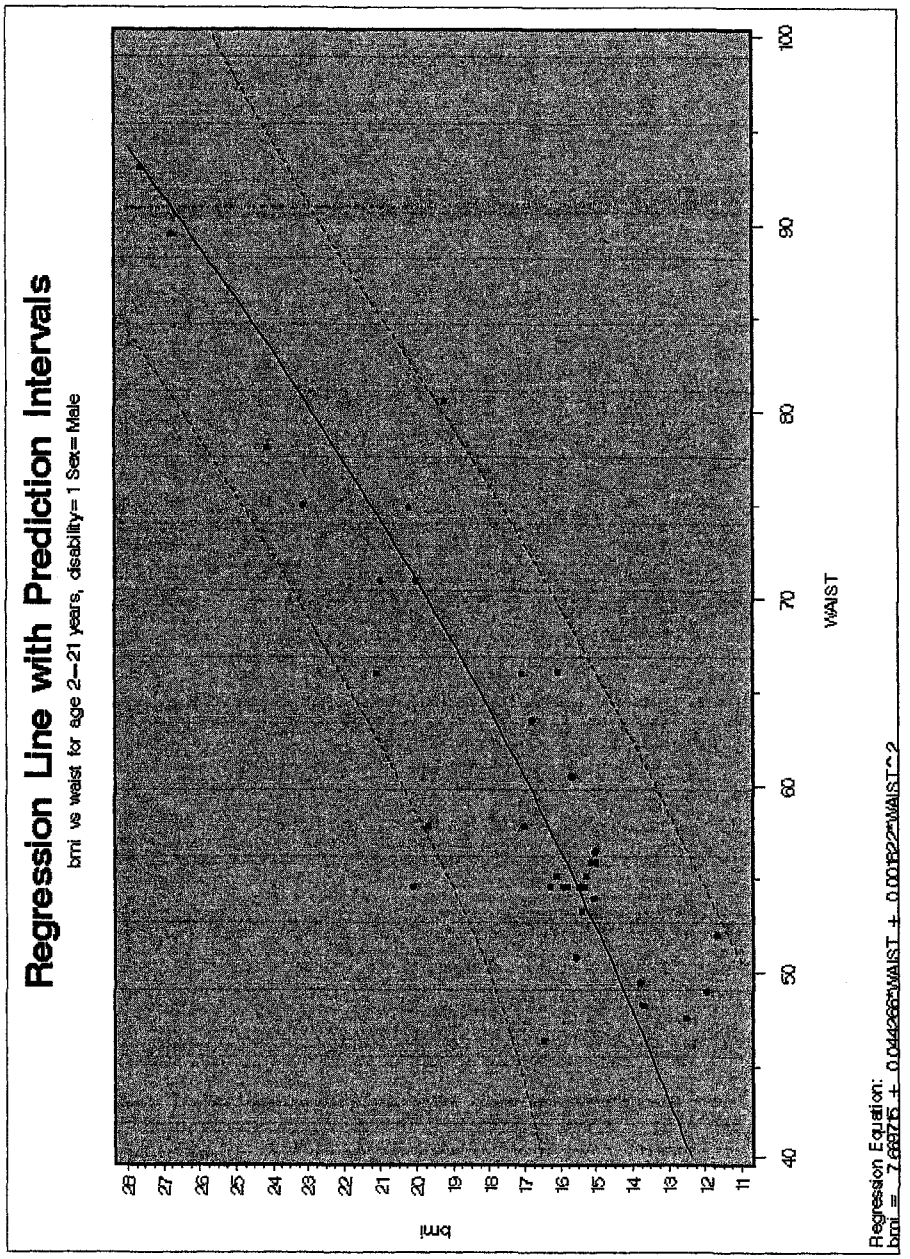
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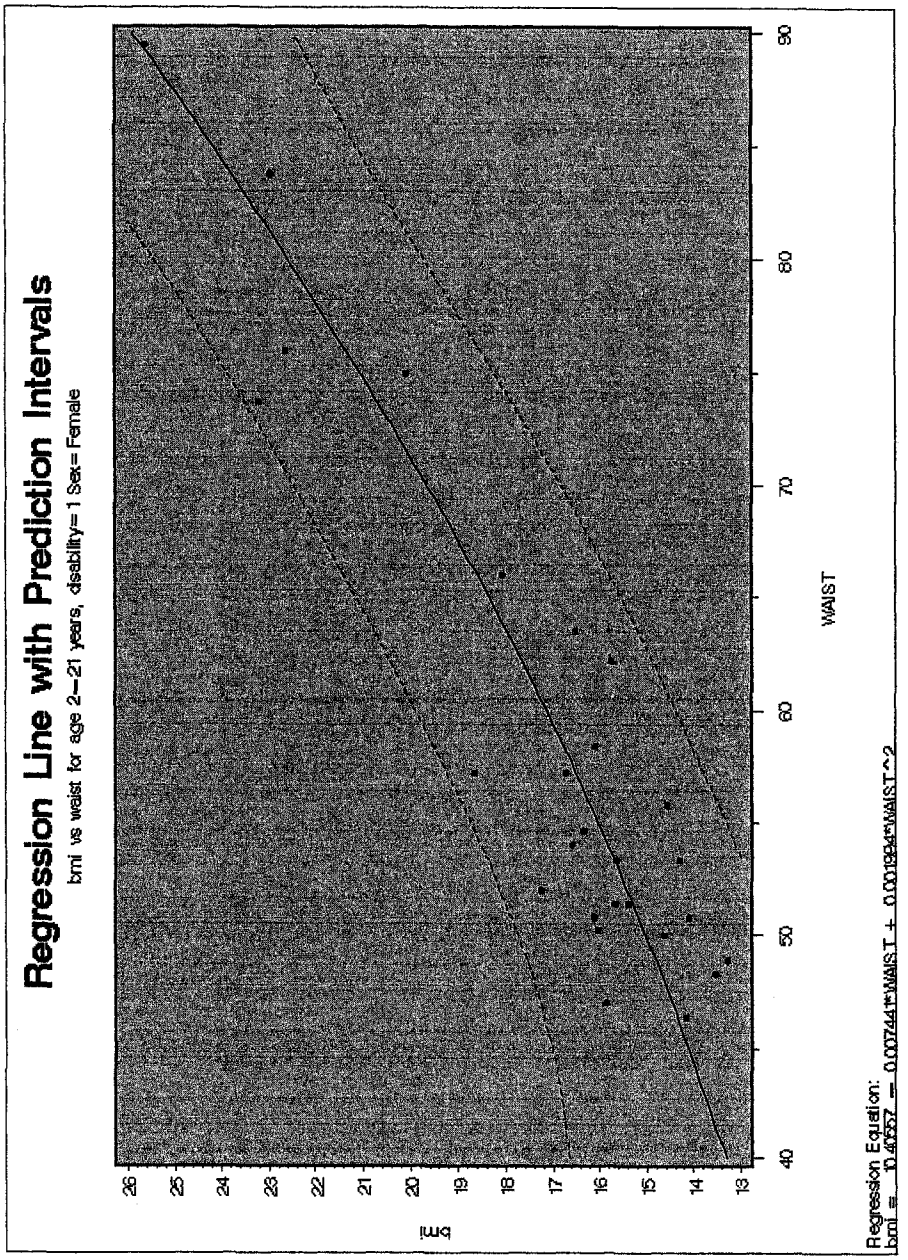
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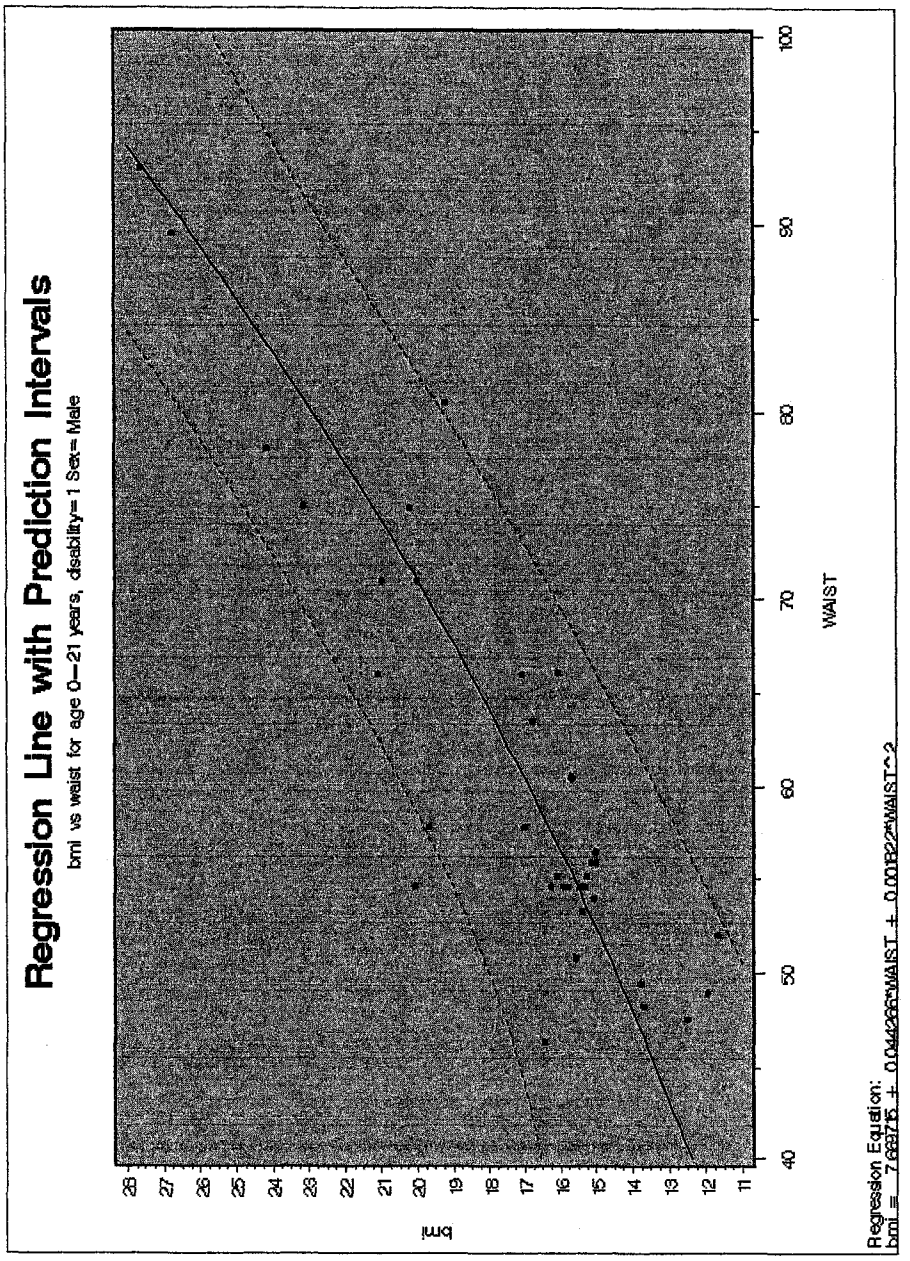
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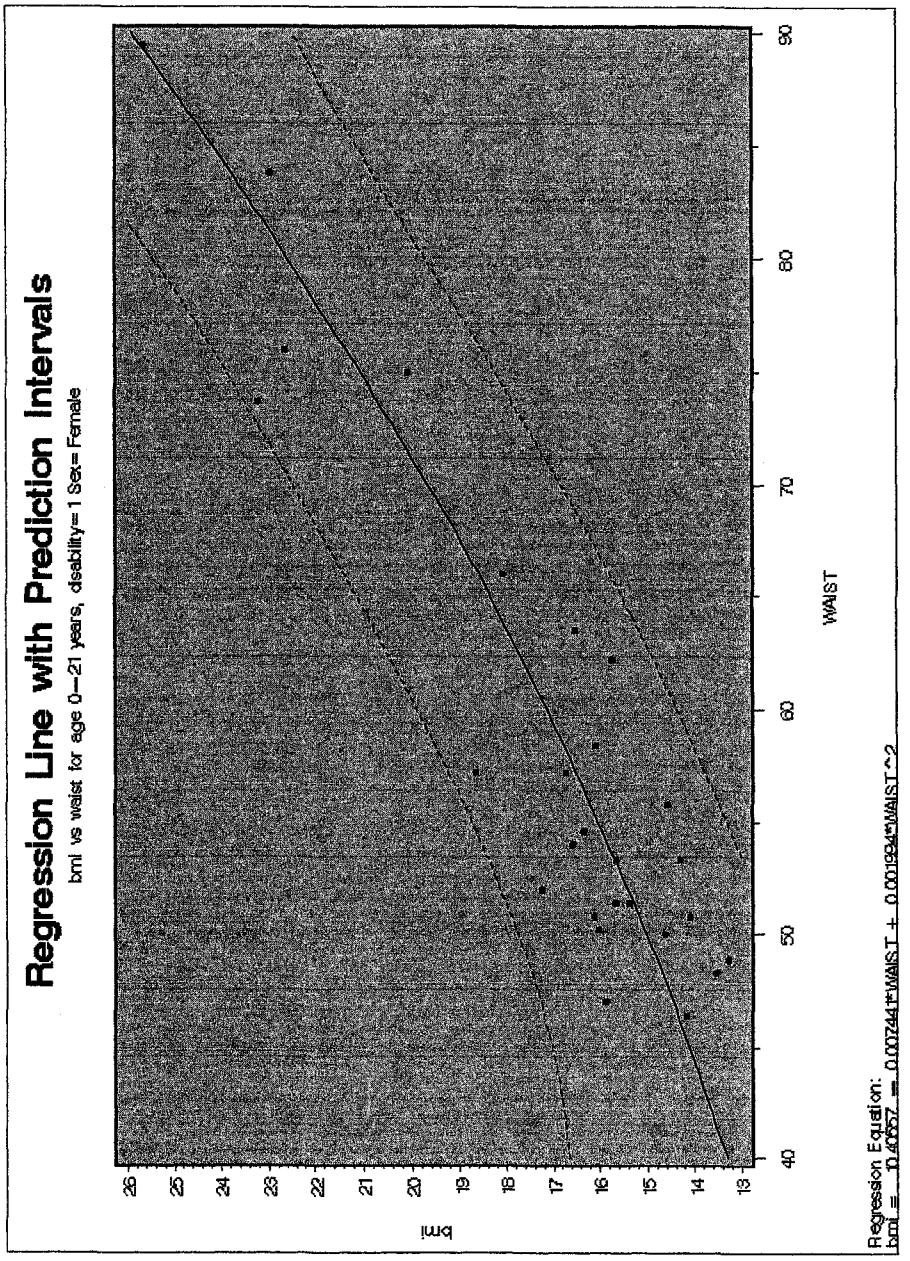
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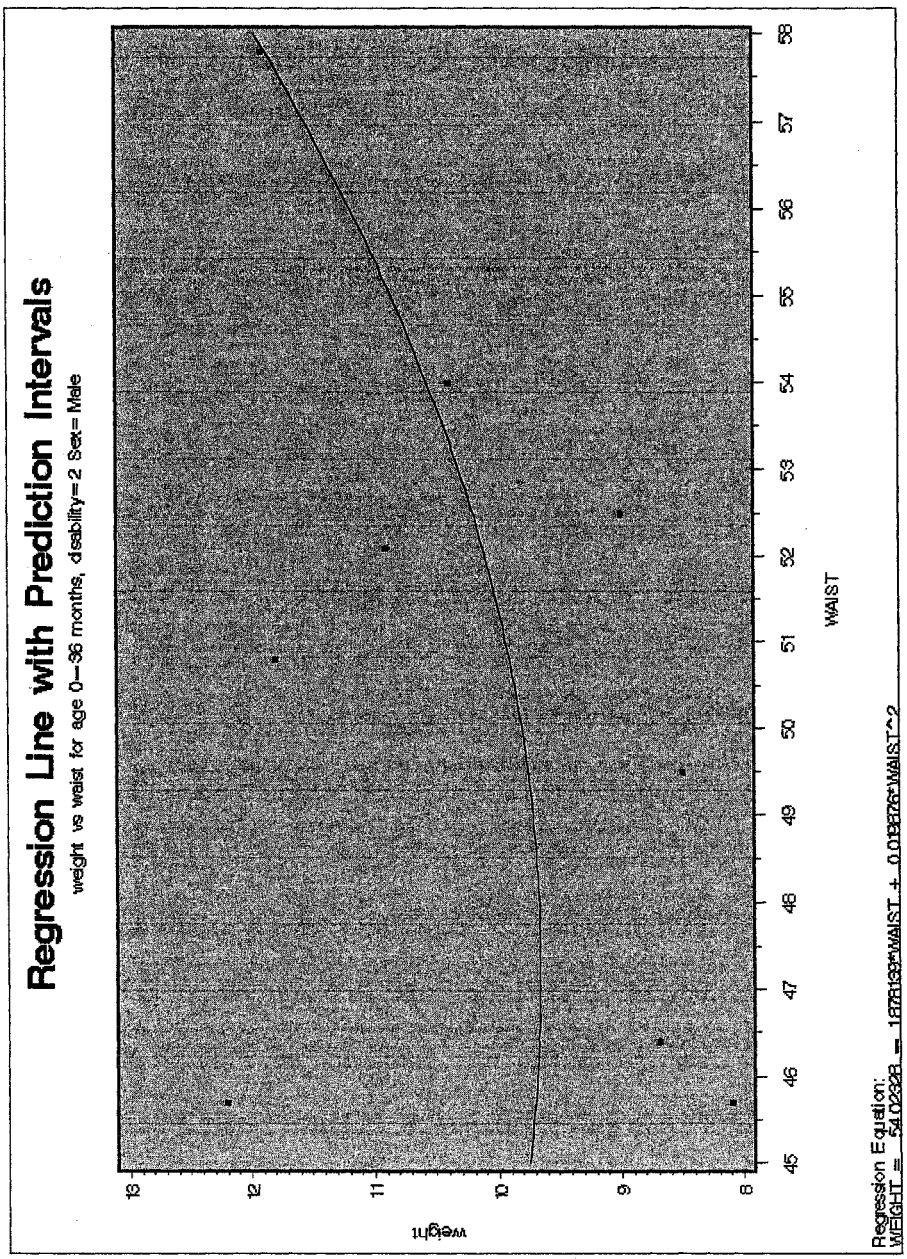
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APPENDIX H (cont)

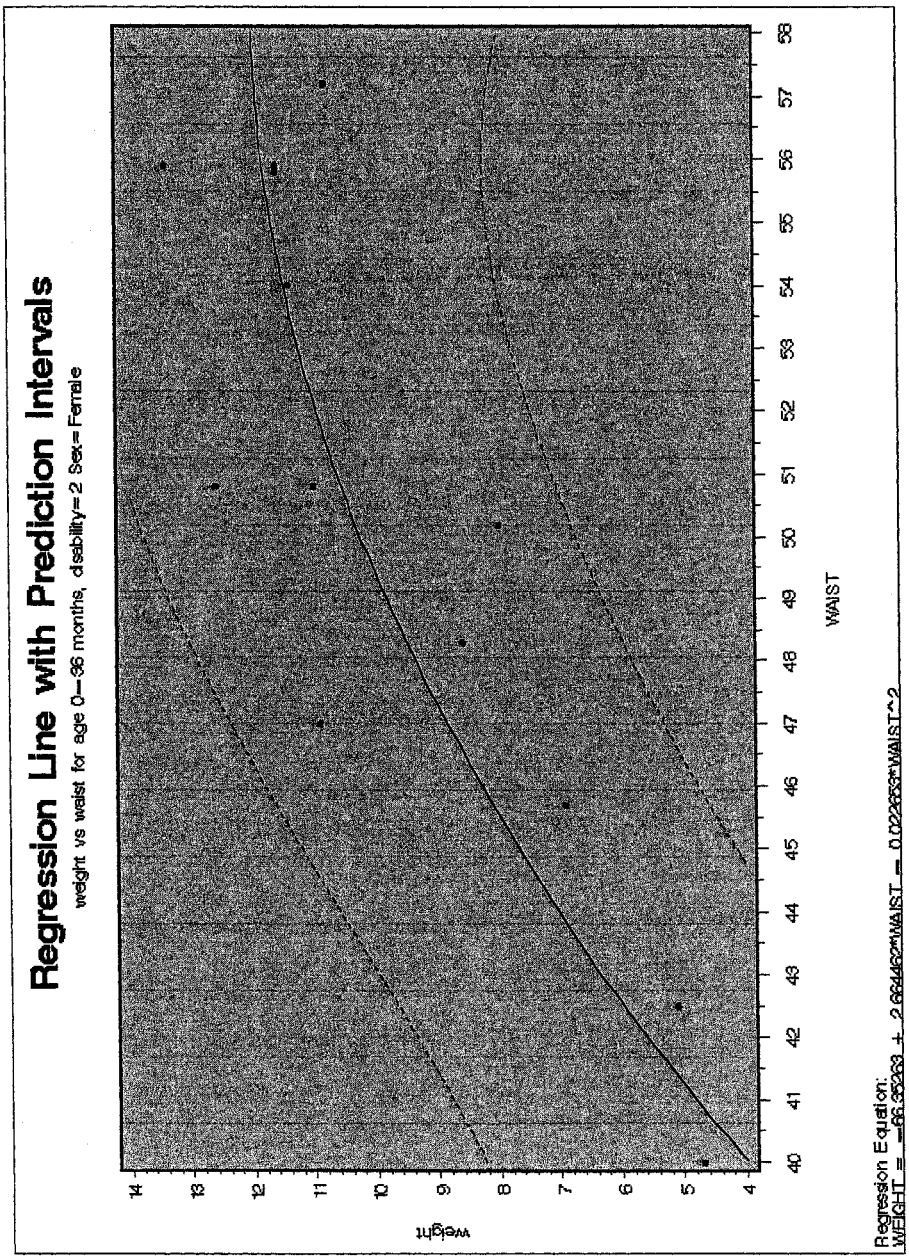
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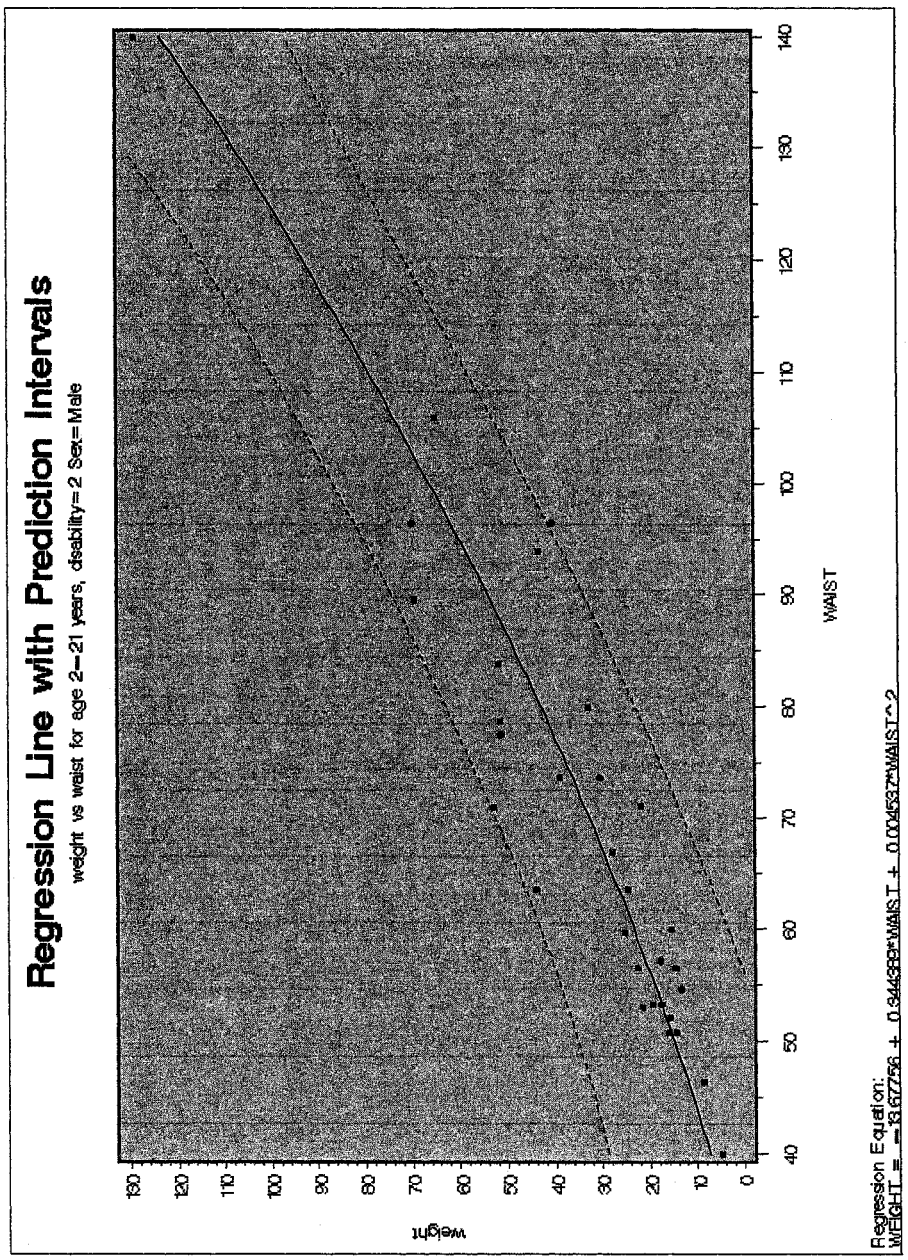
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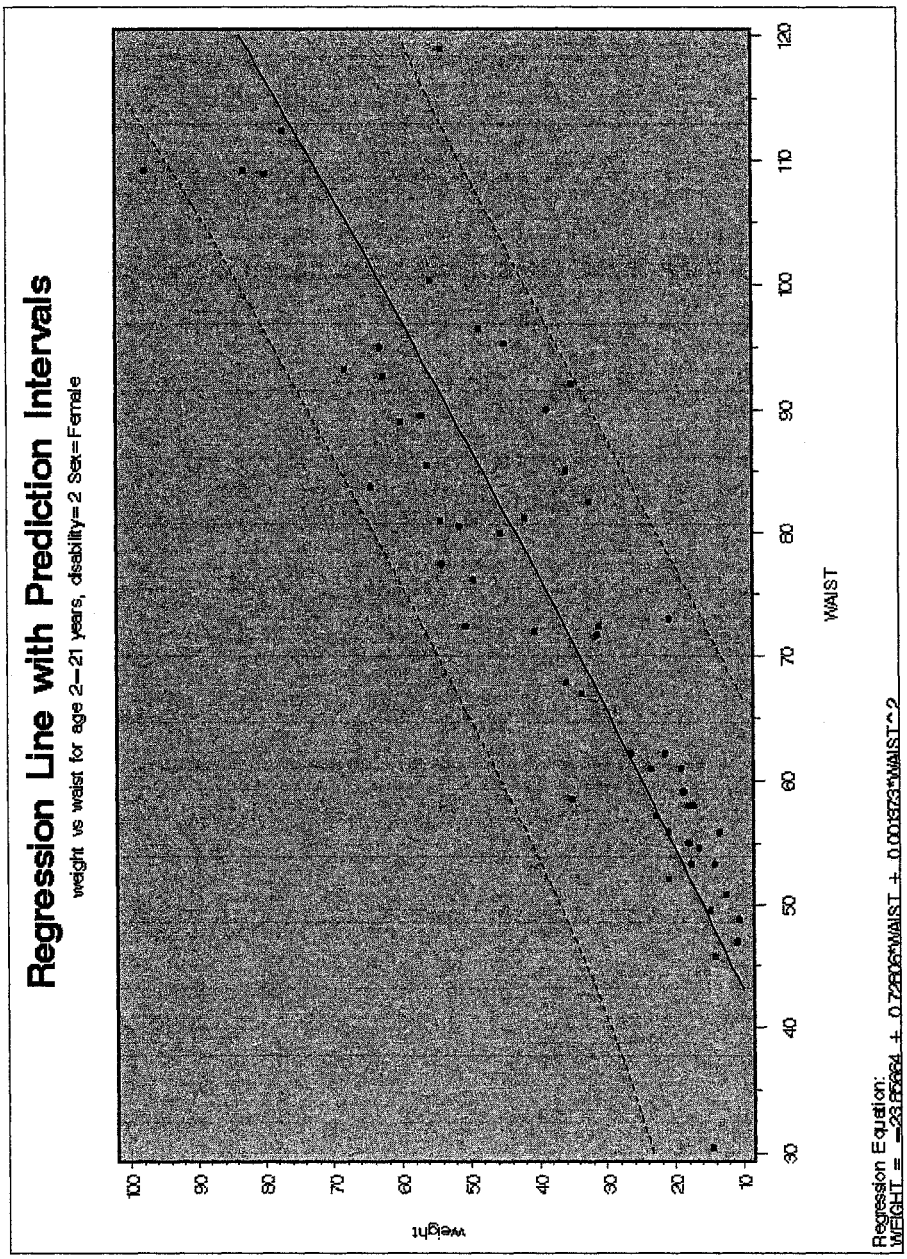
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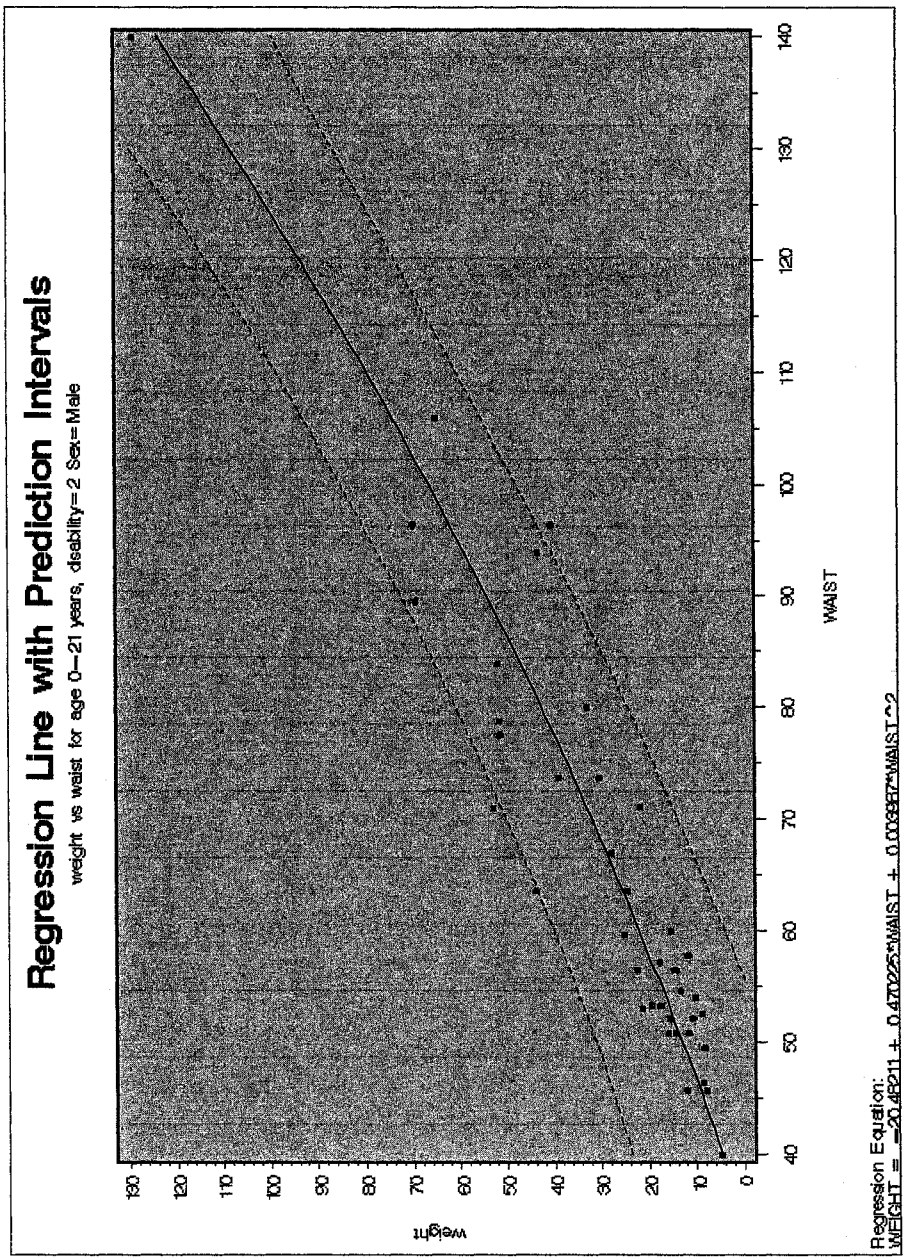
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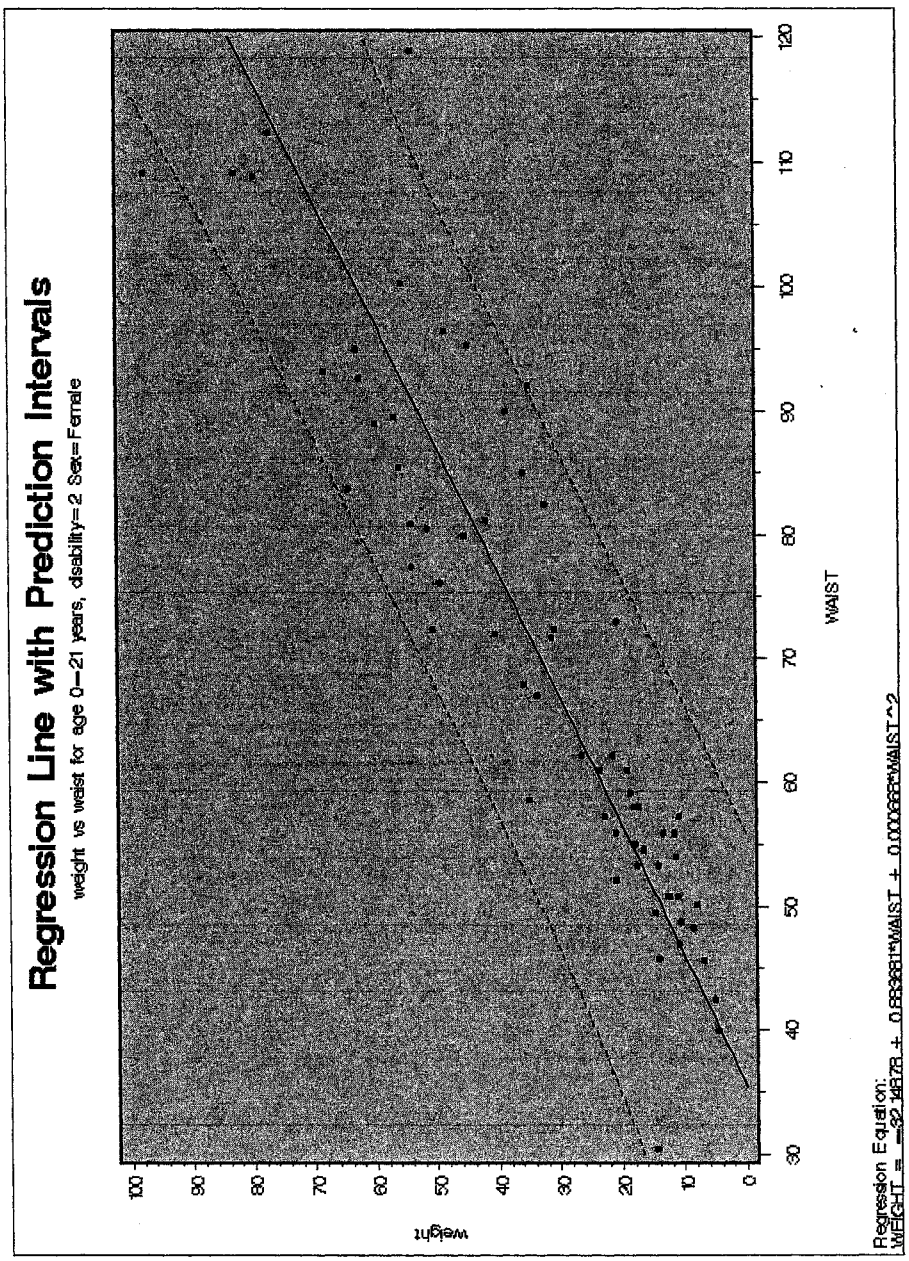
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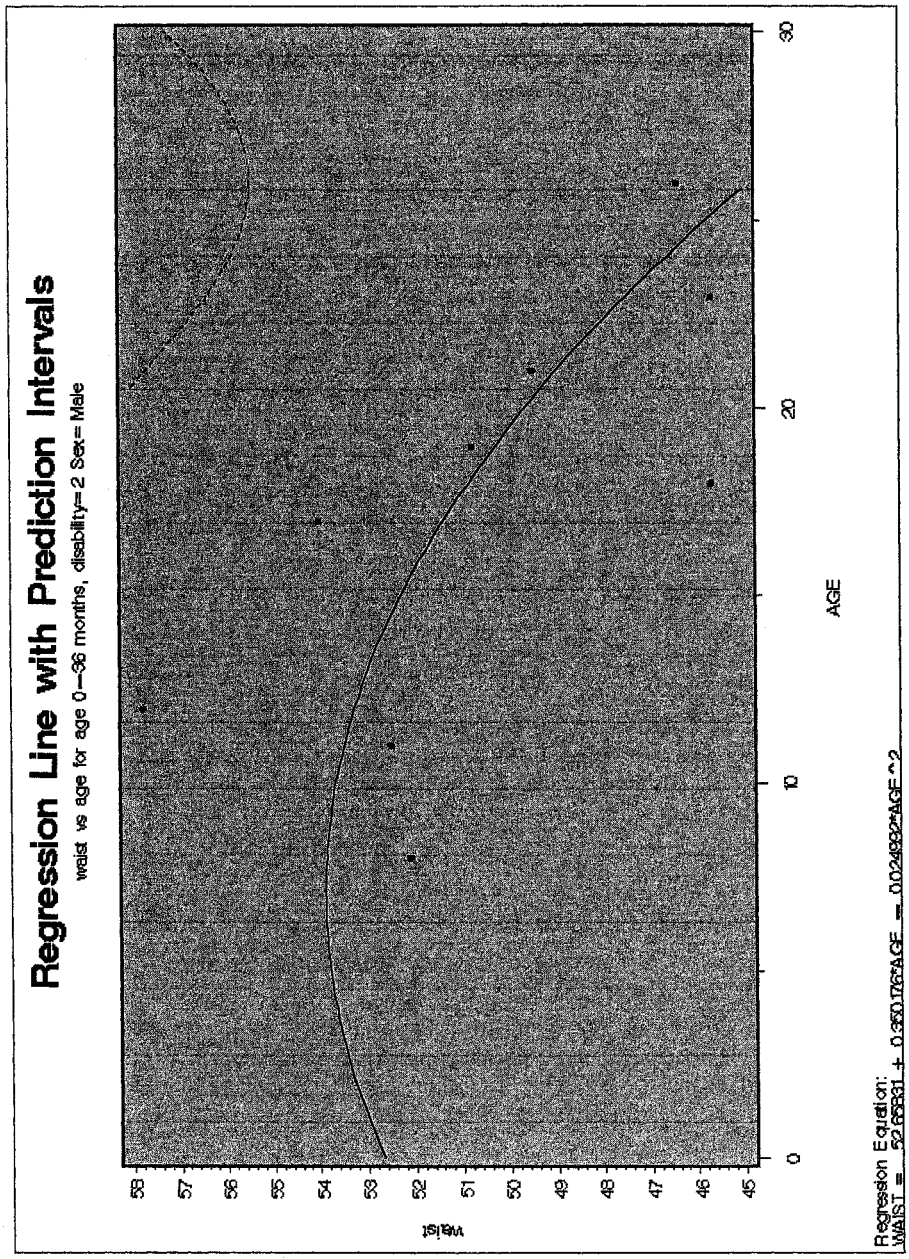
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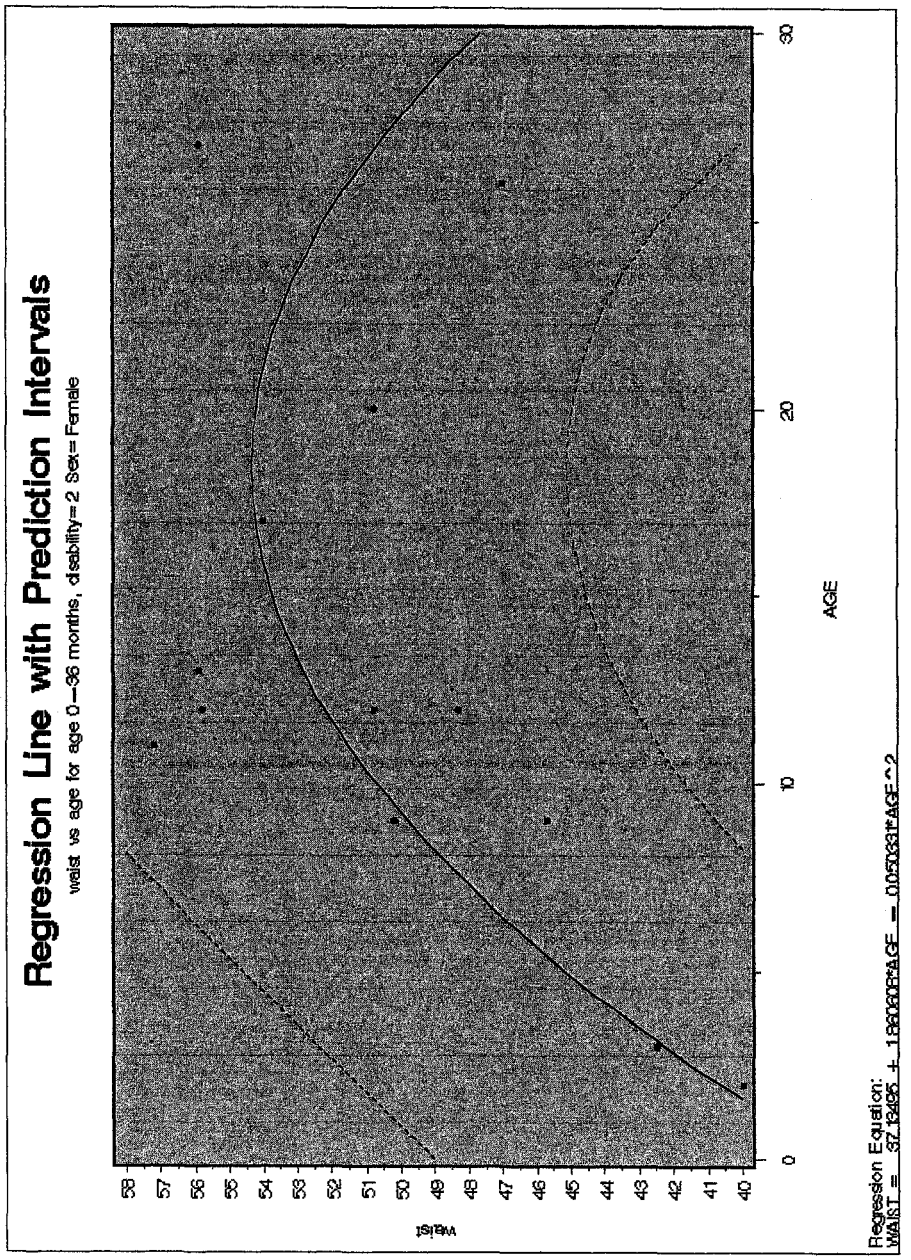
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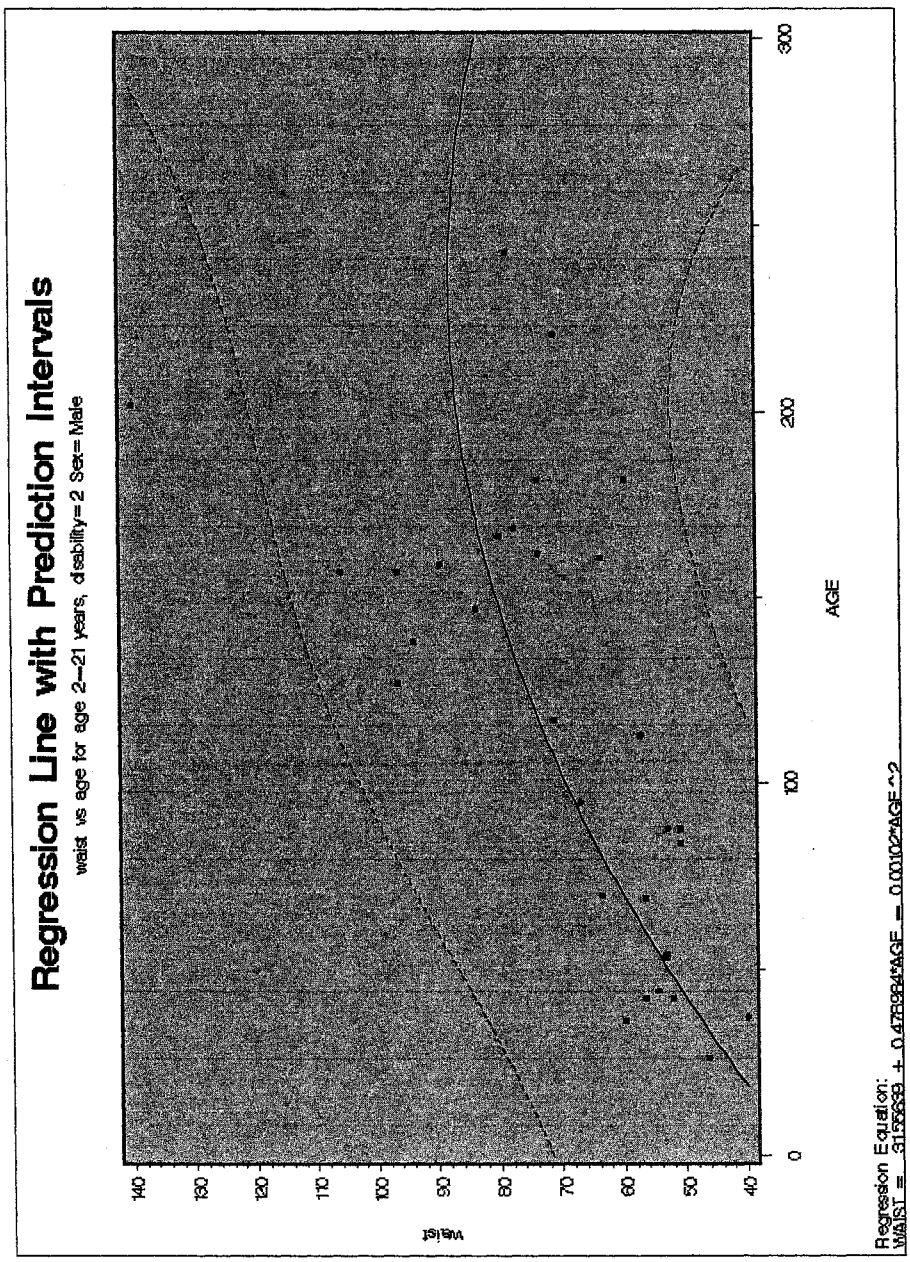
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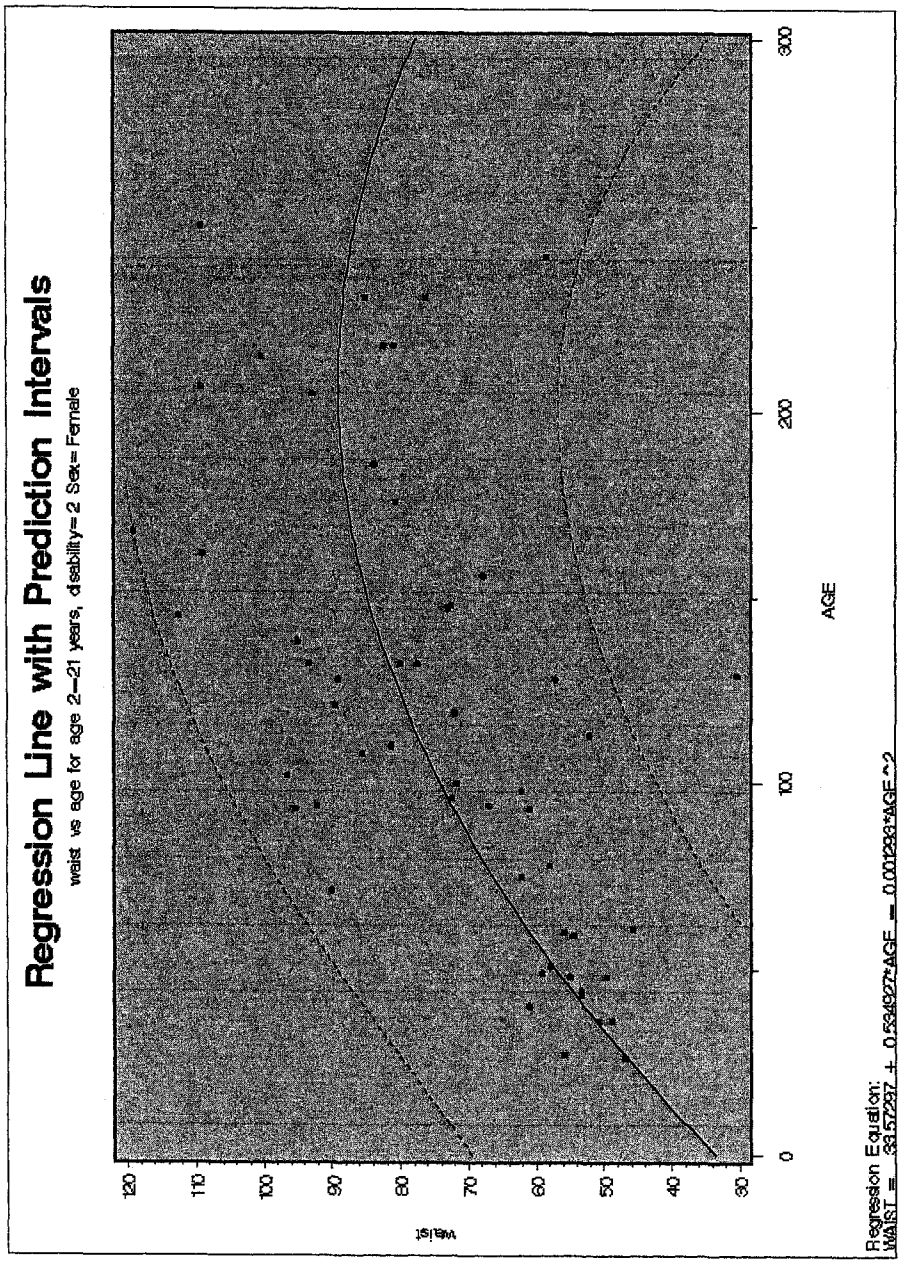
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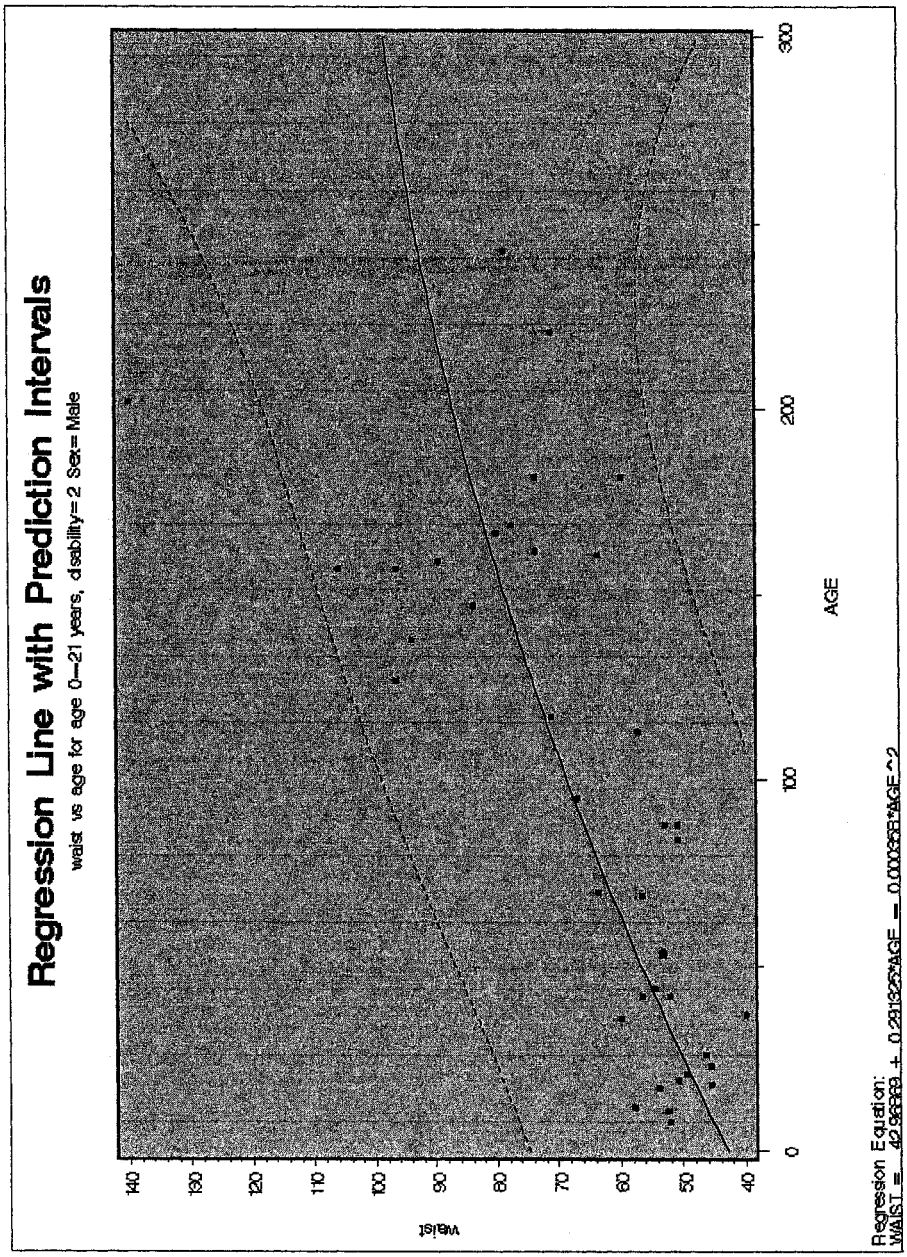
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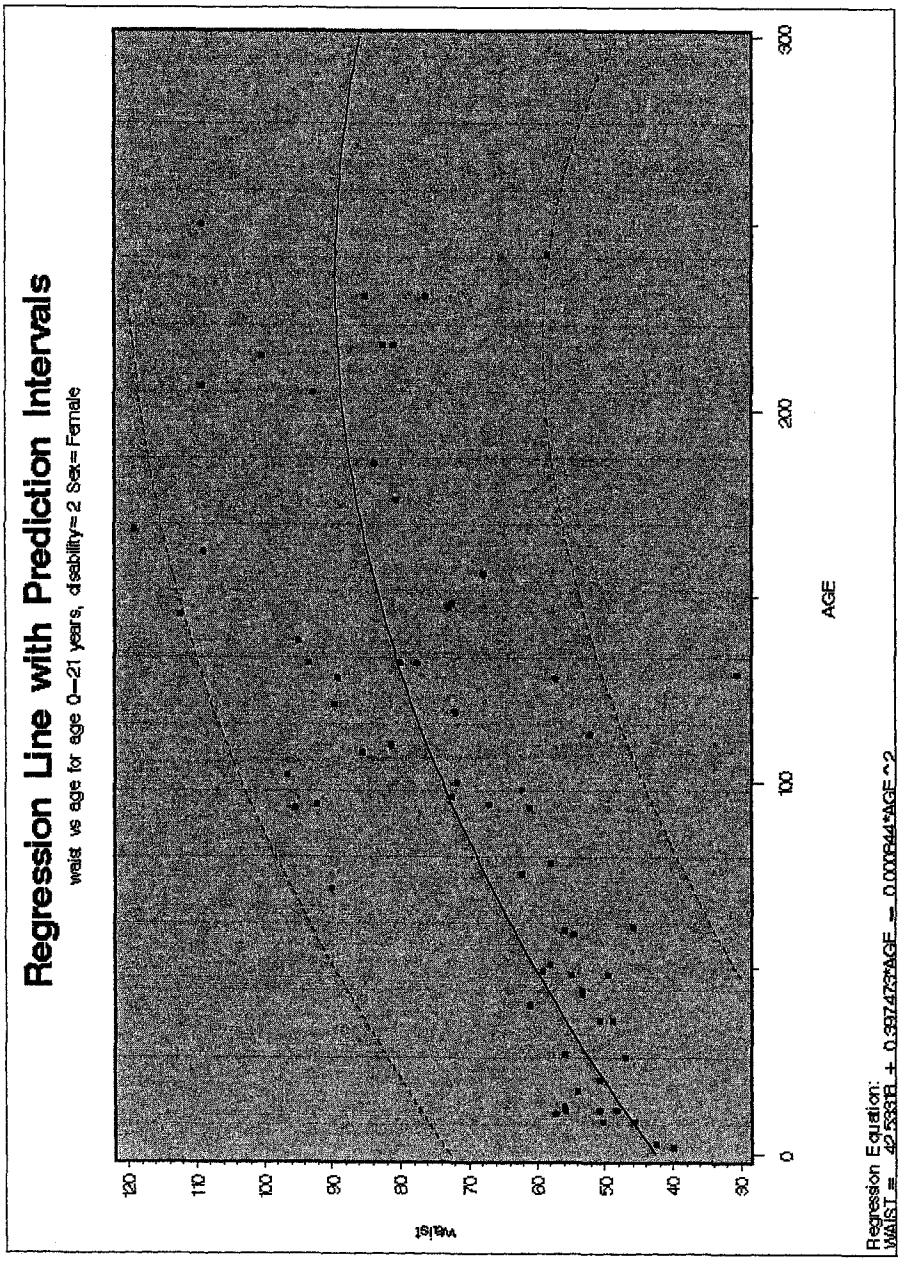
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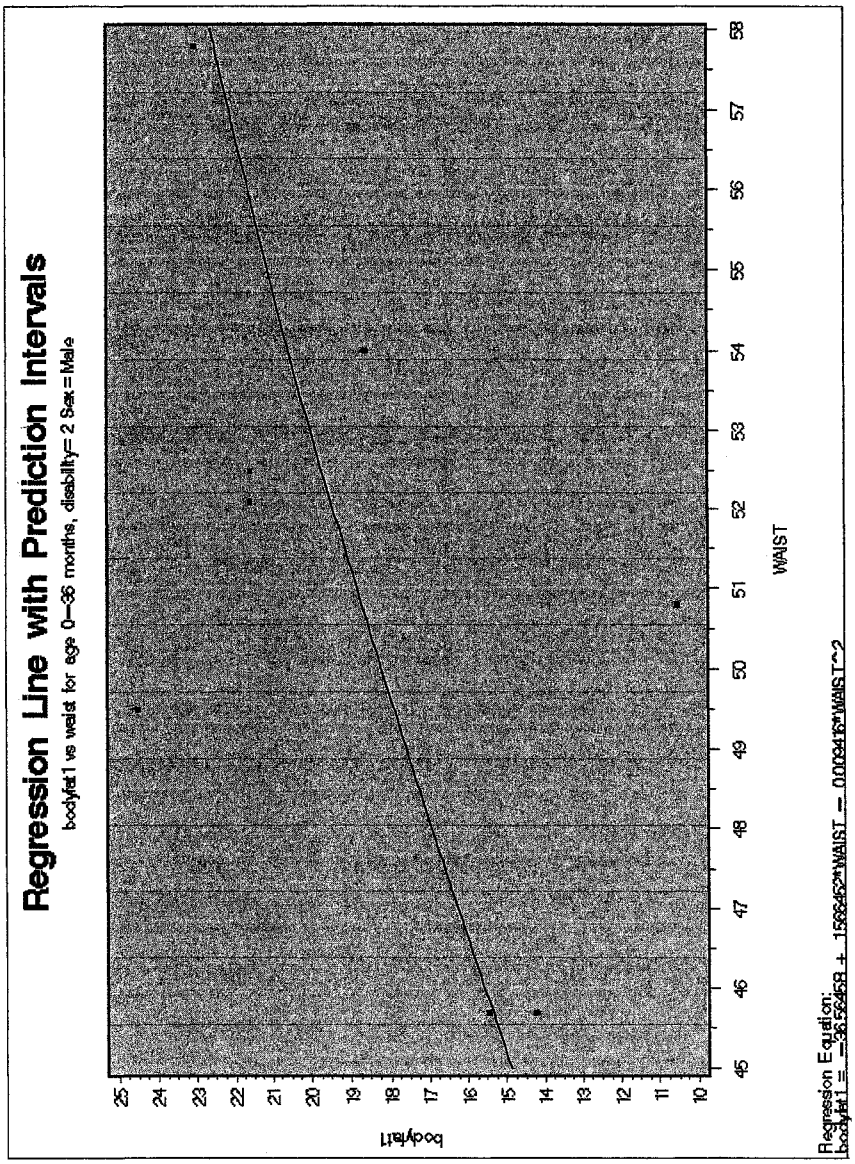
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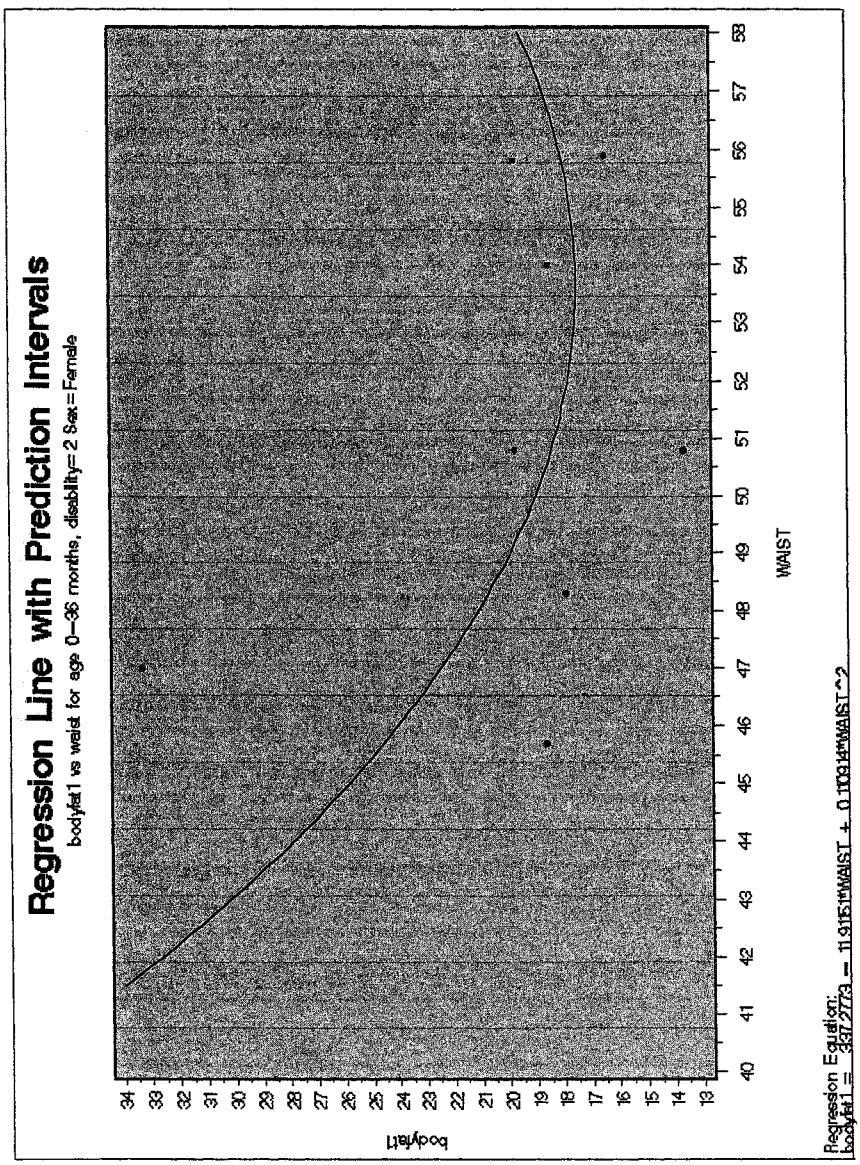
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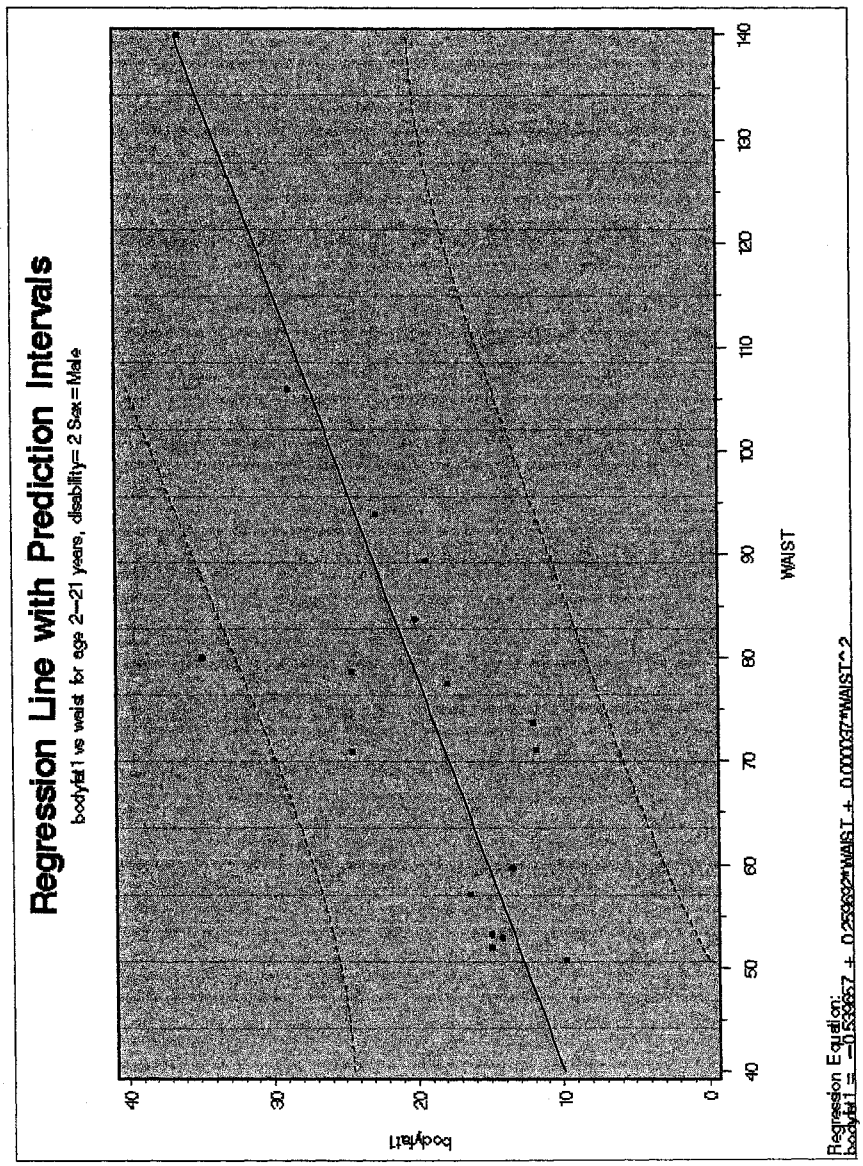
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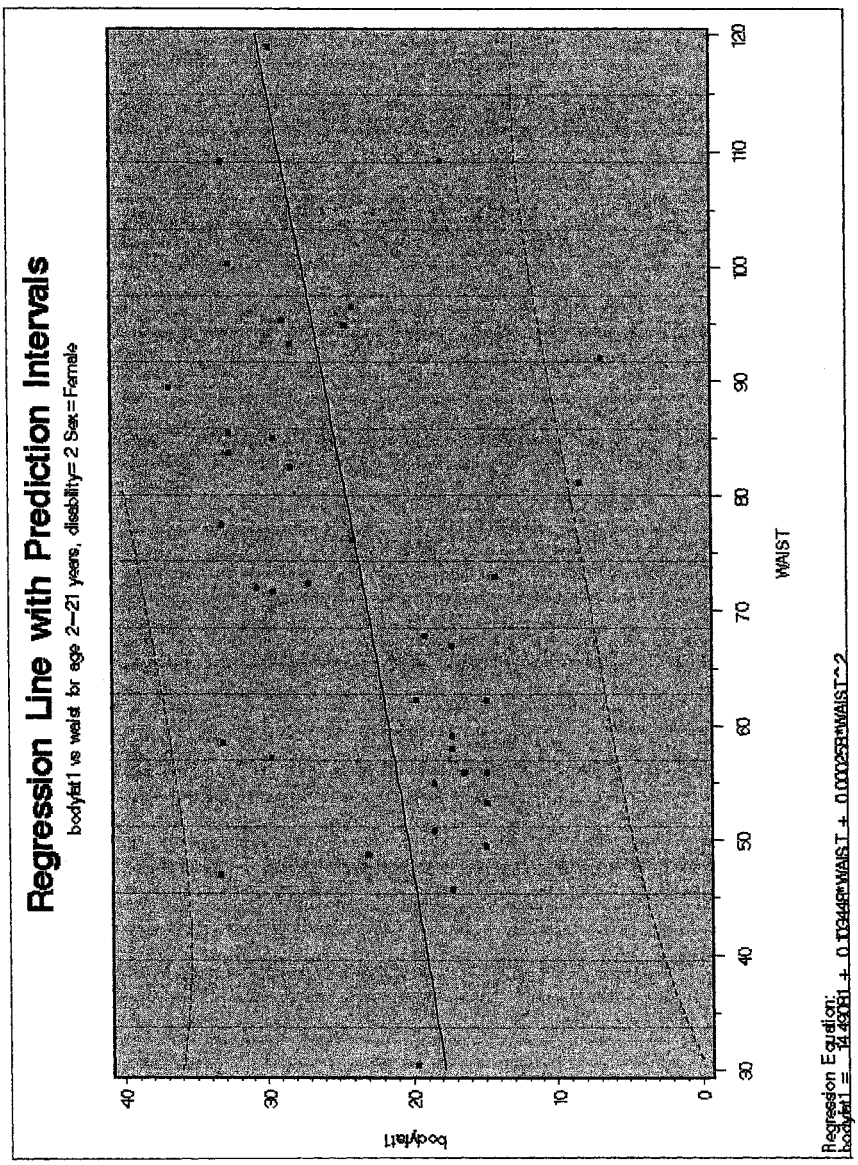
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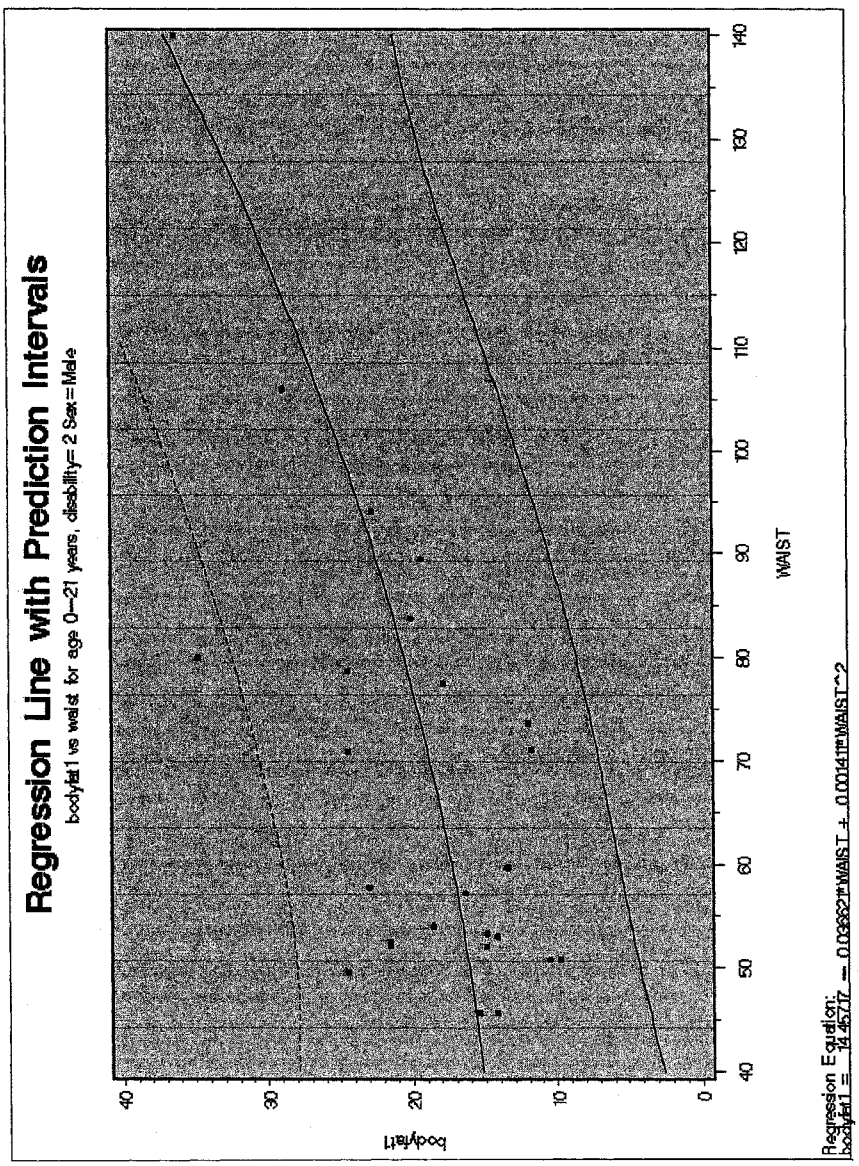
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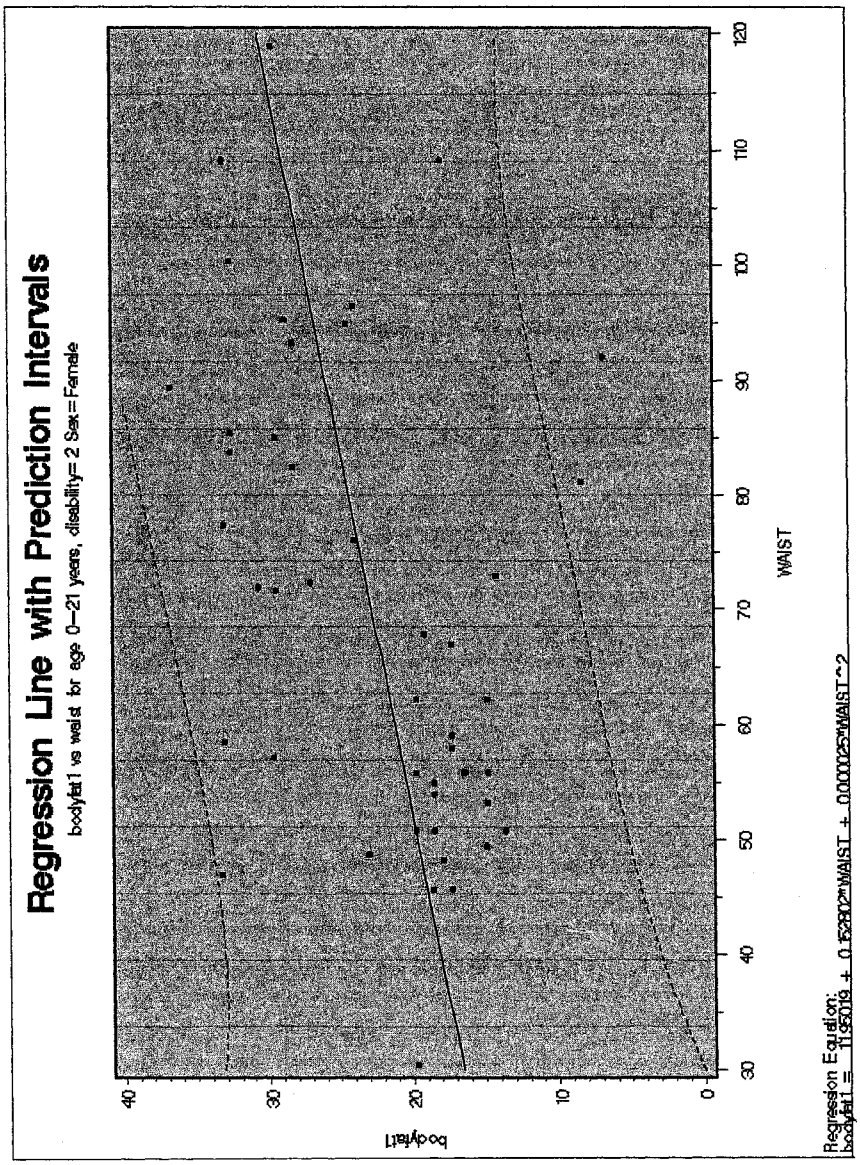
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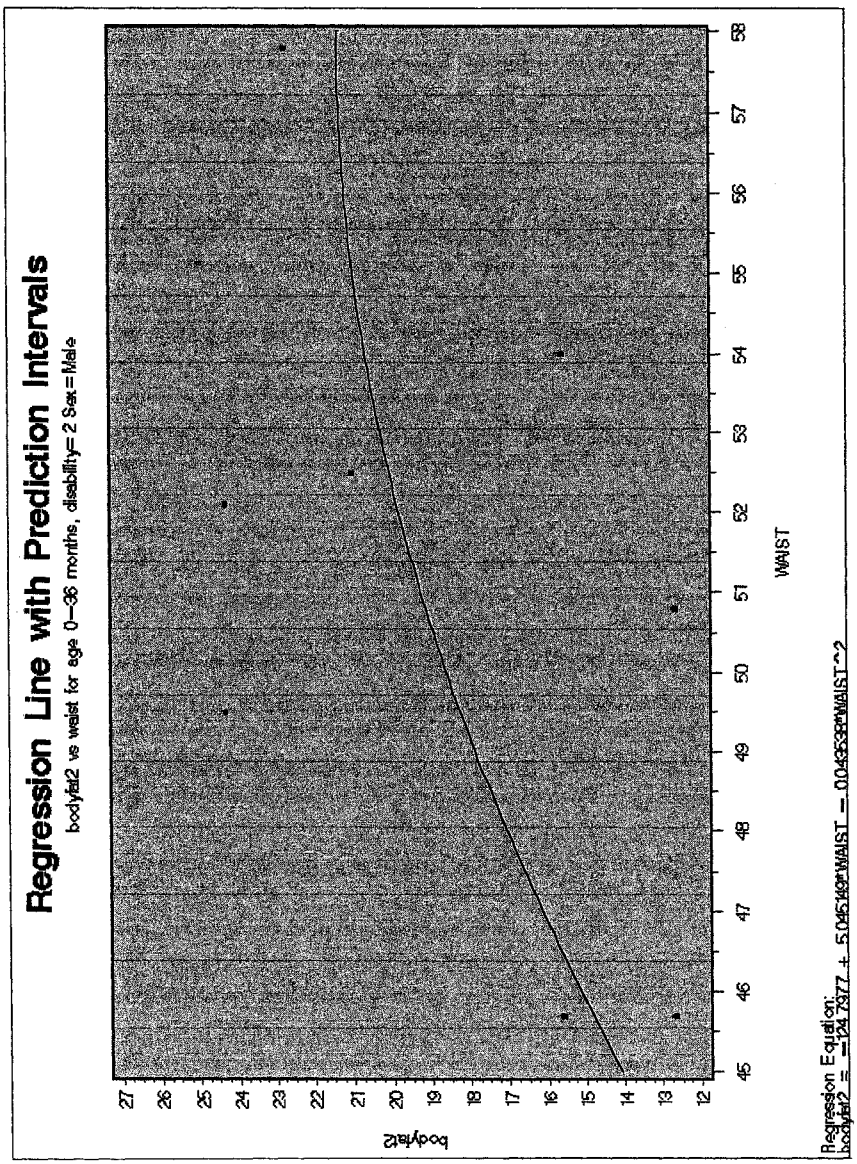
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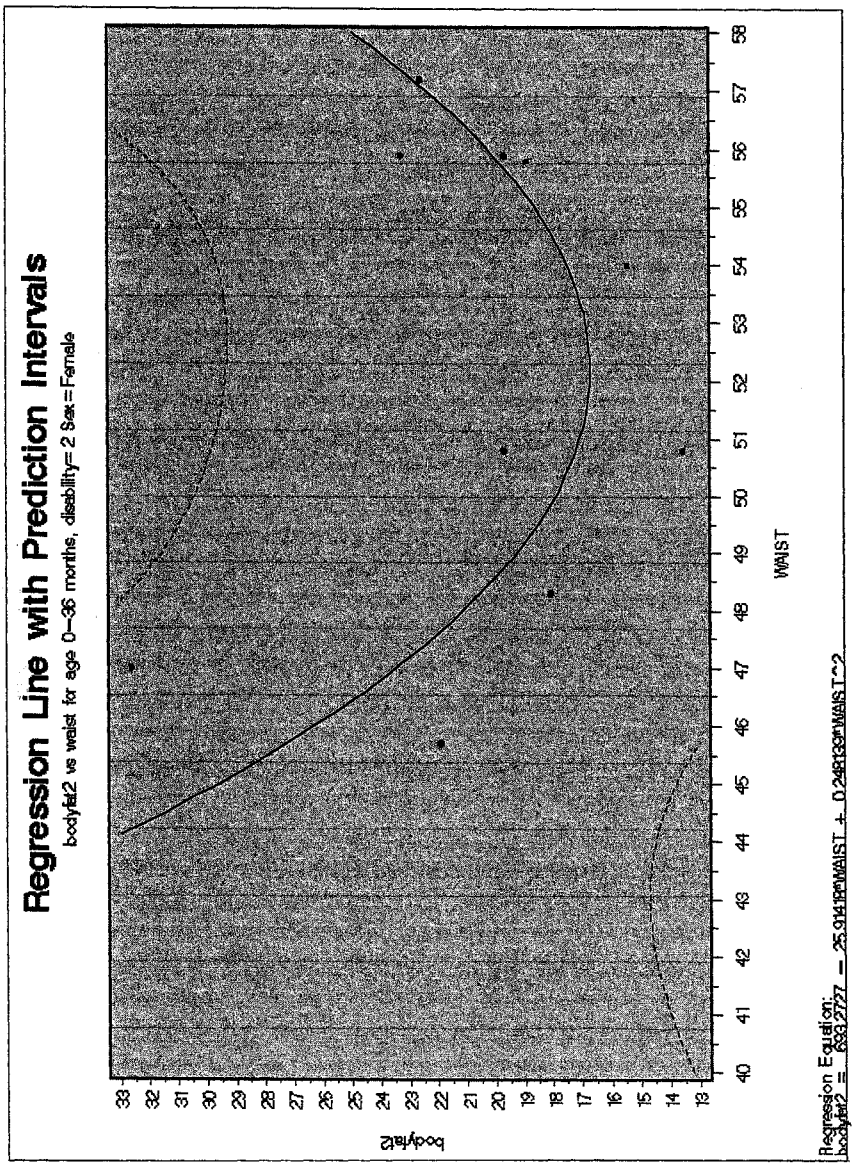
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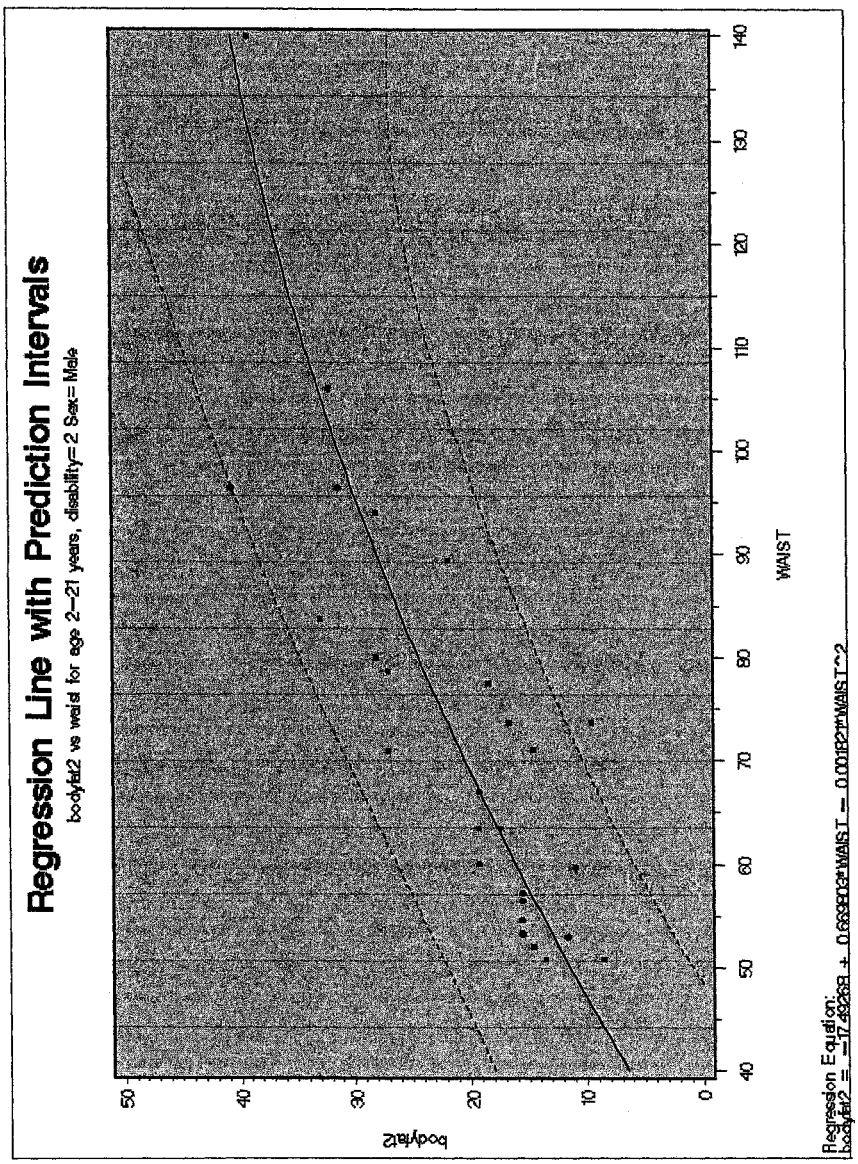
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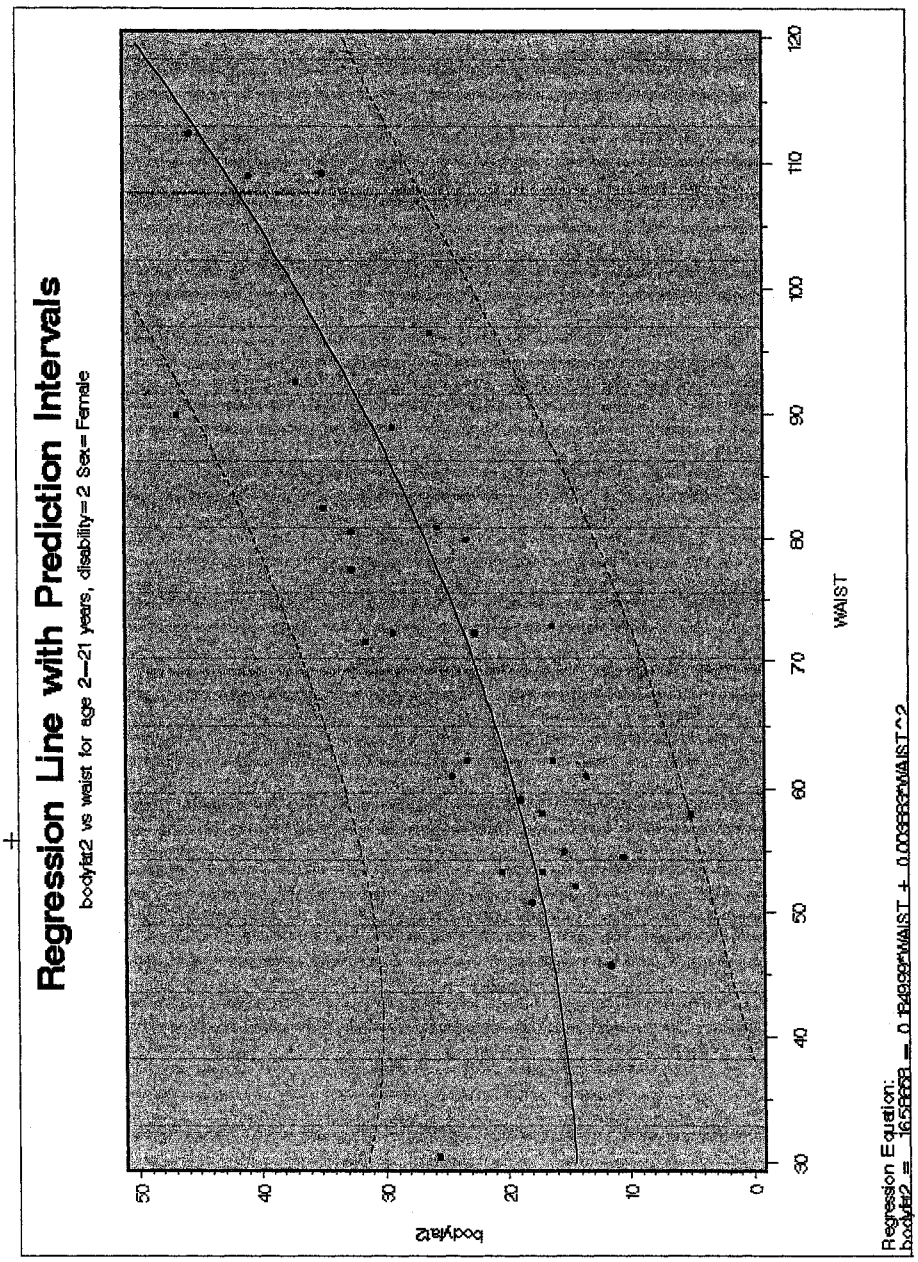
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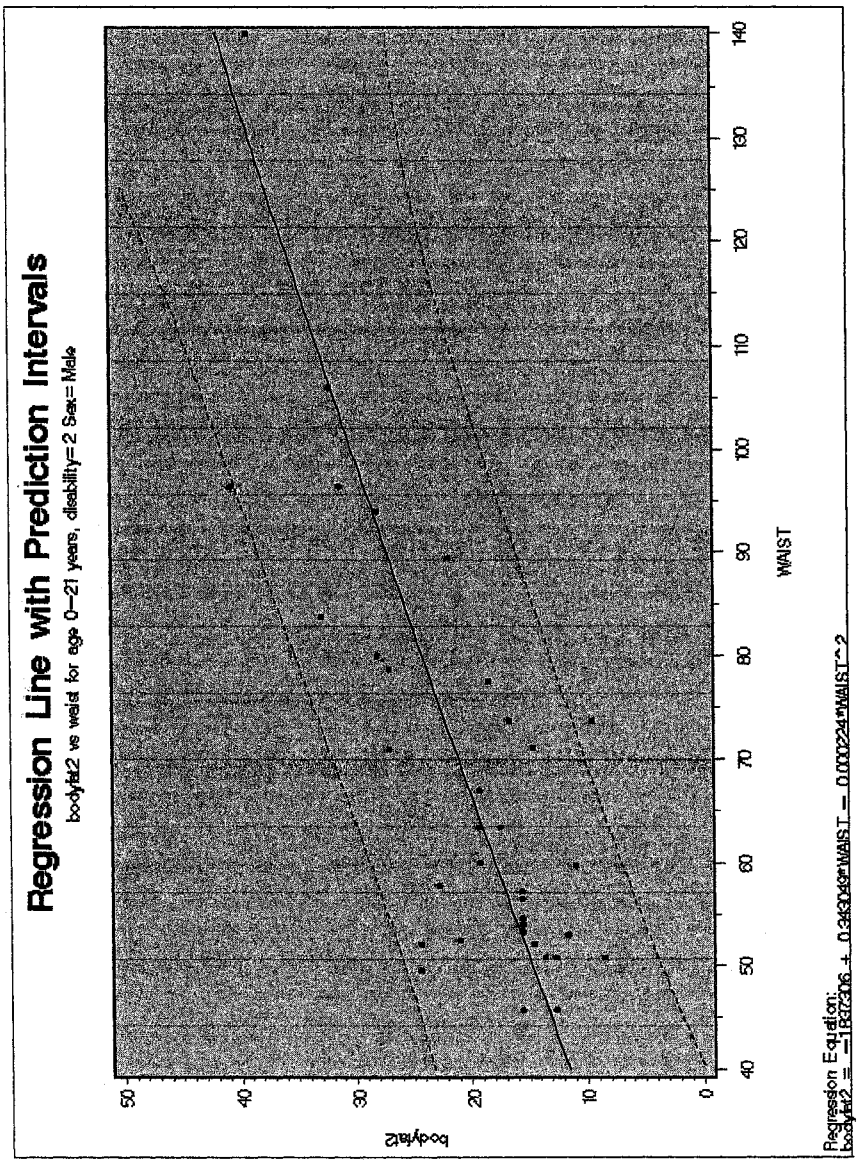
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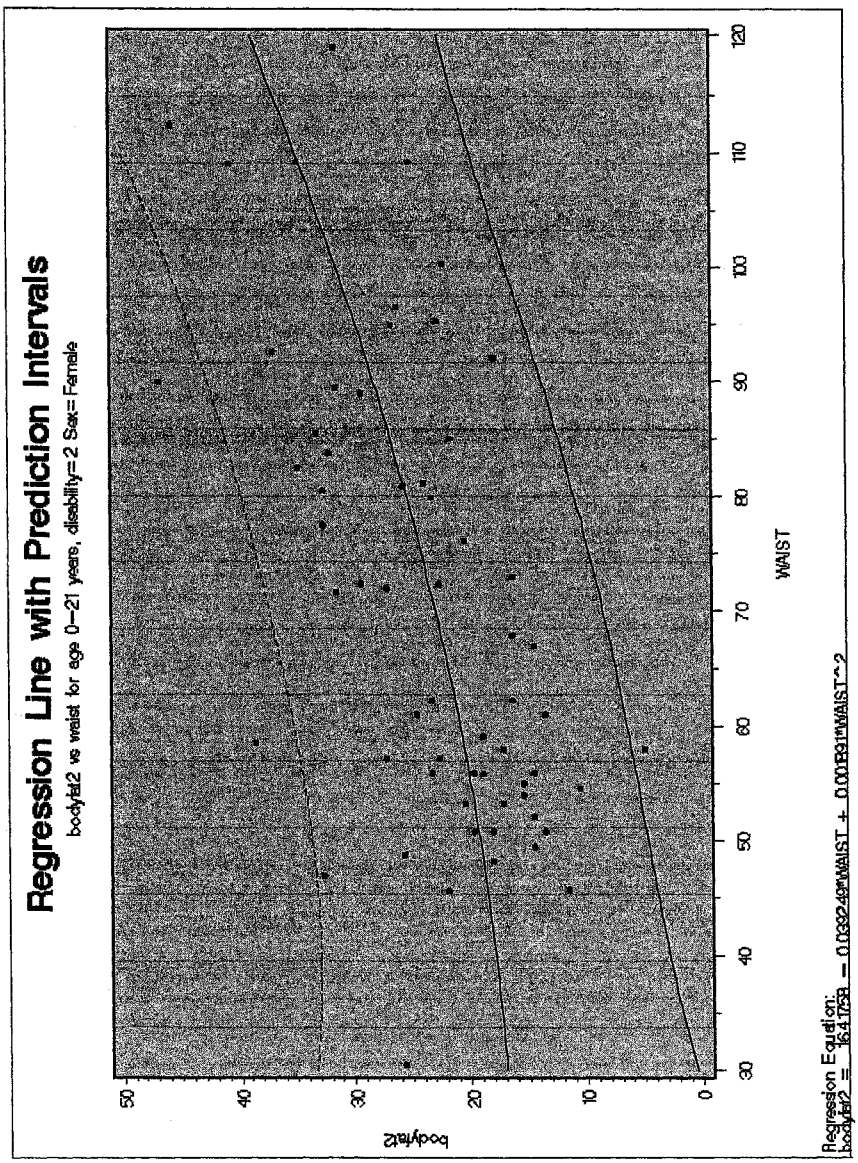
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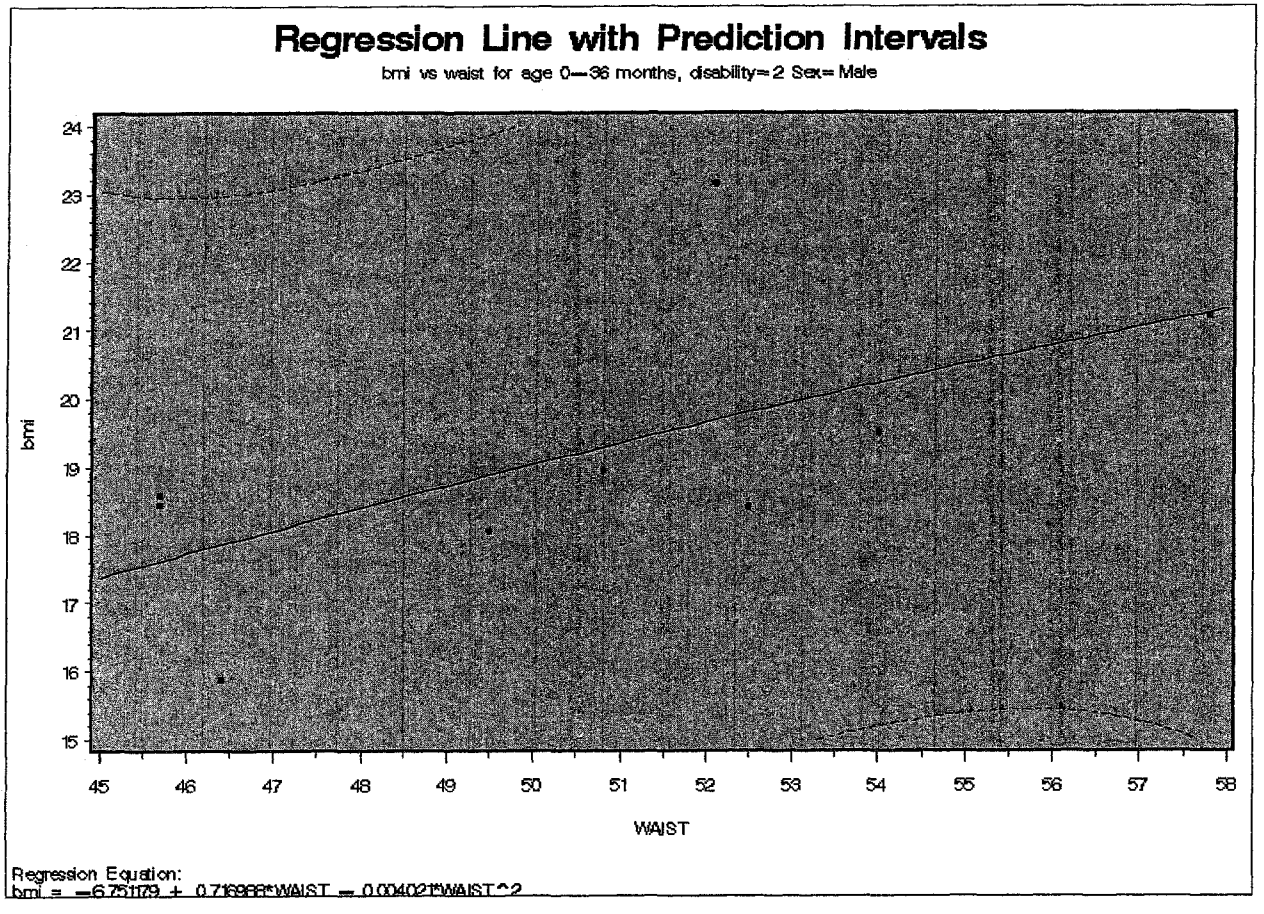


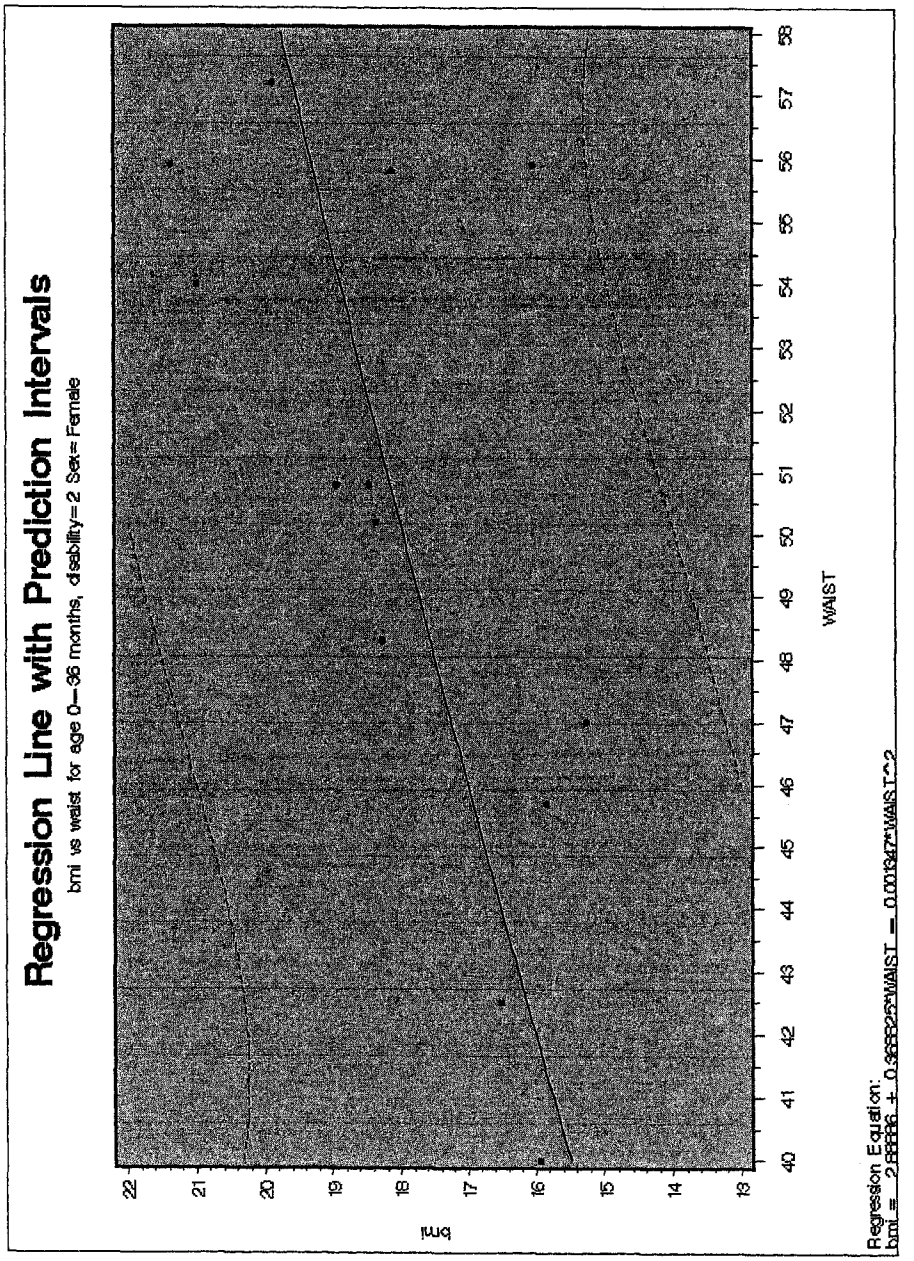
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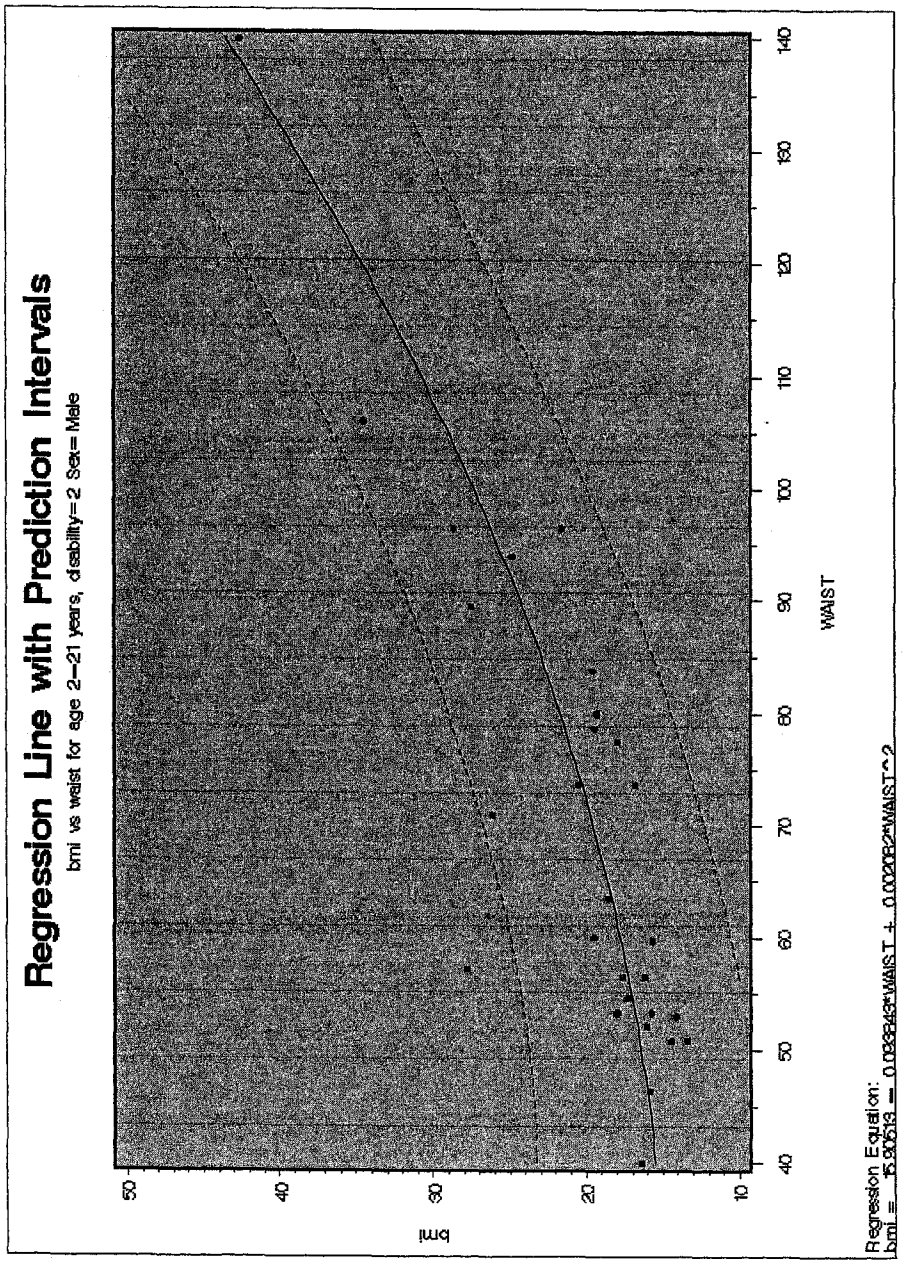
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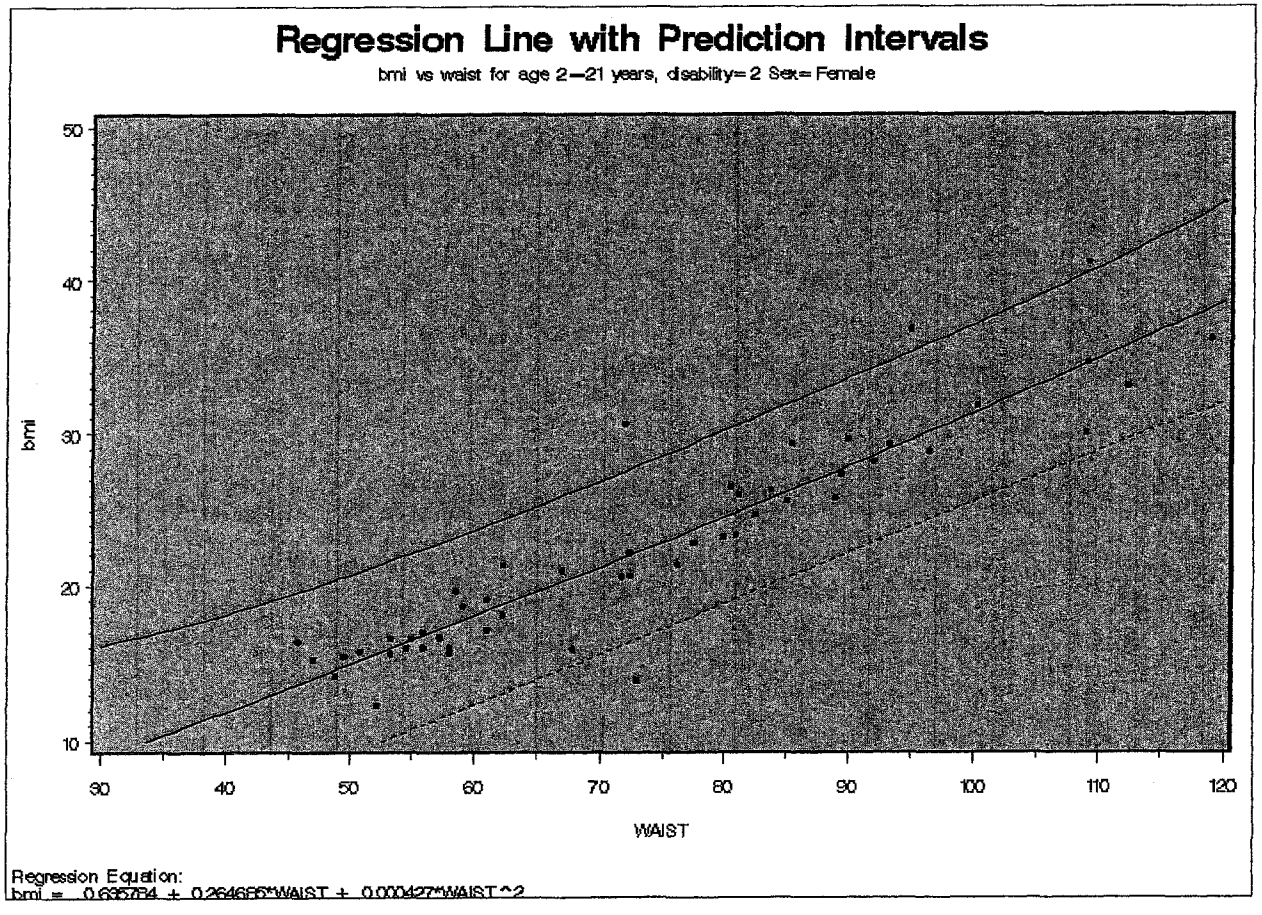


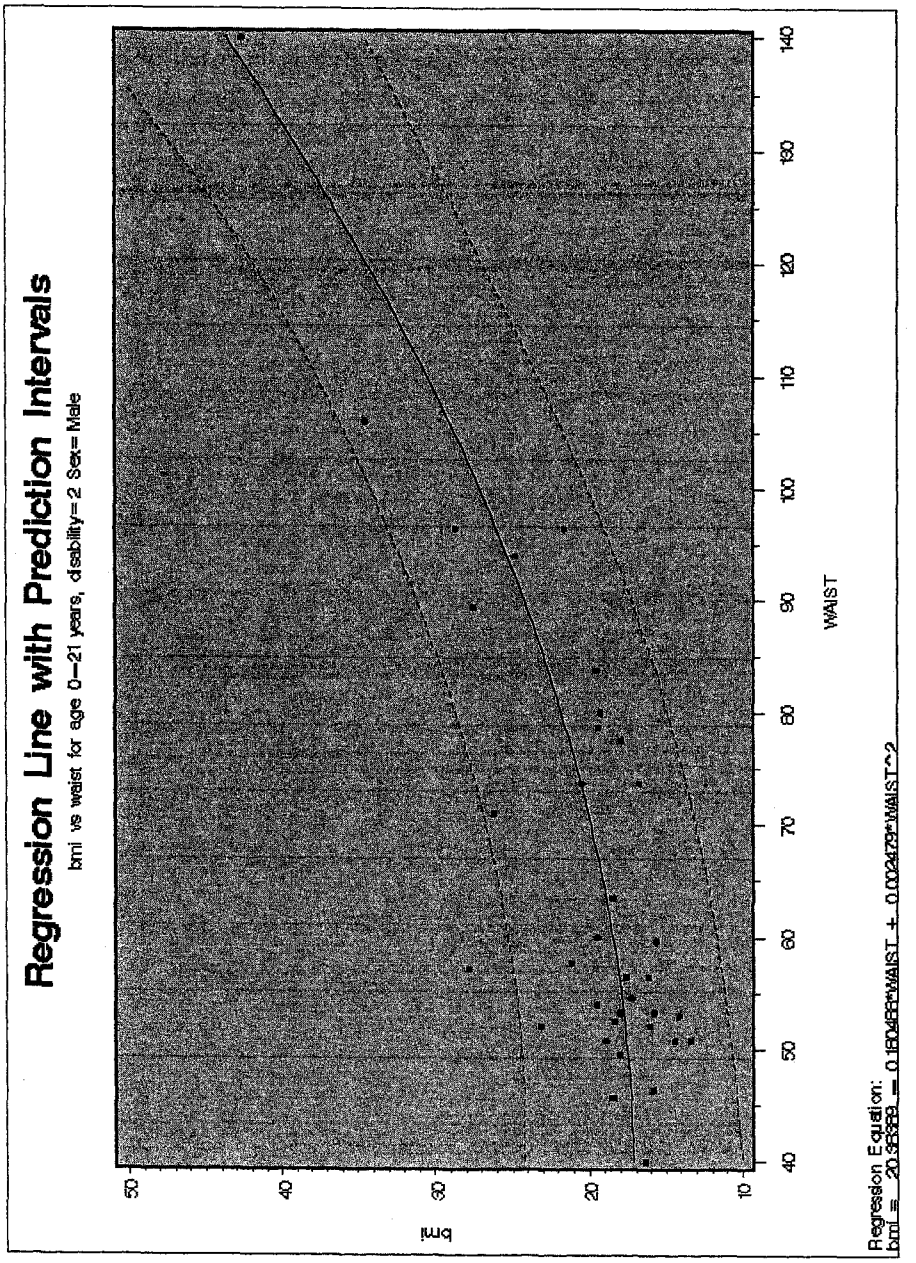
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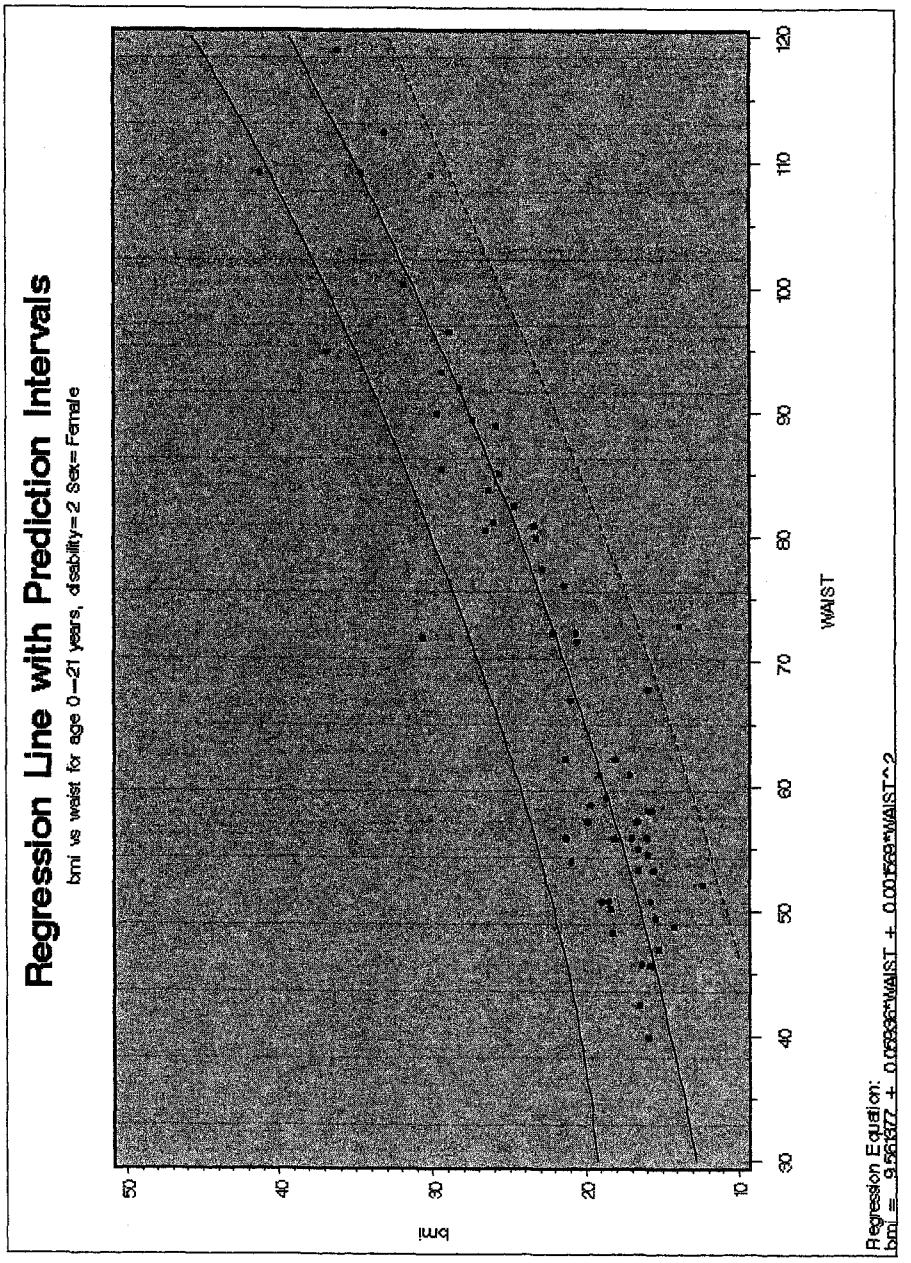
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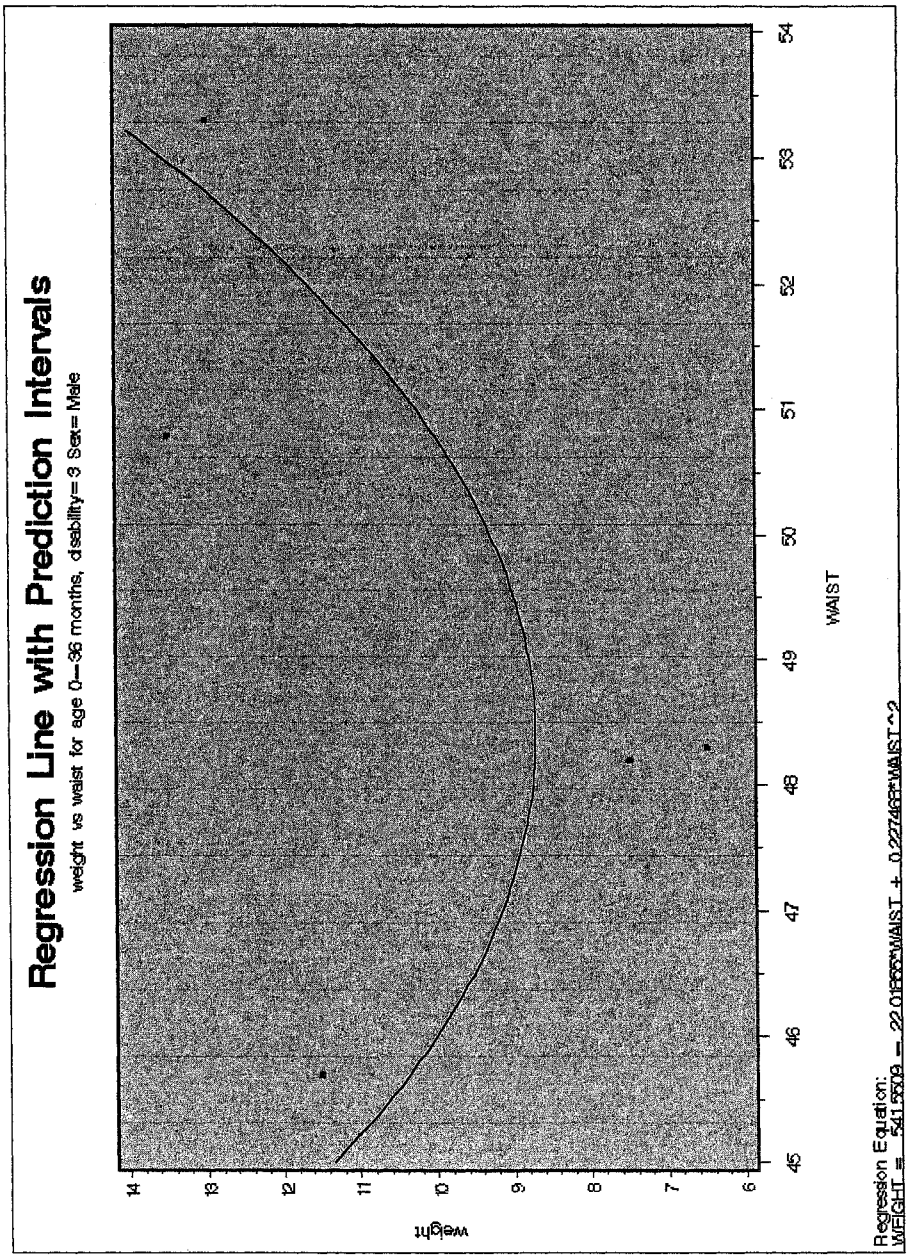


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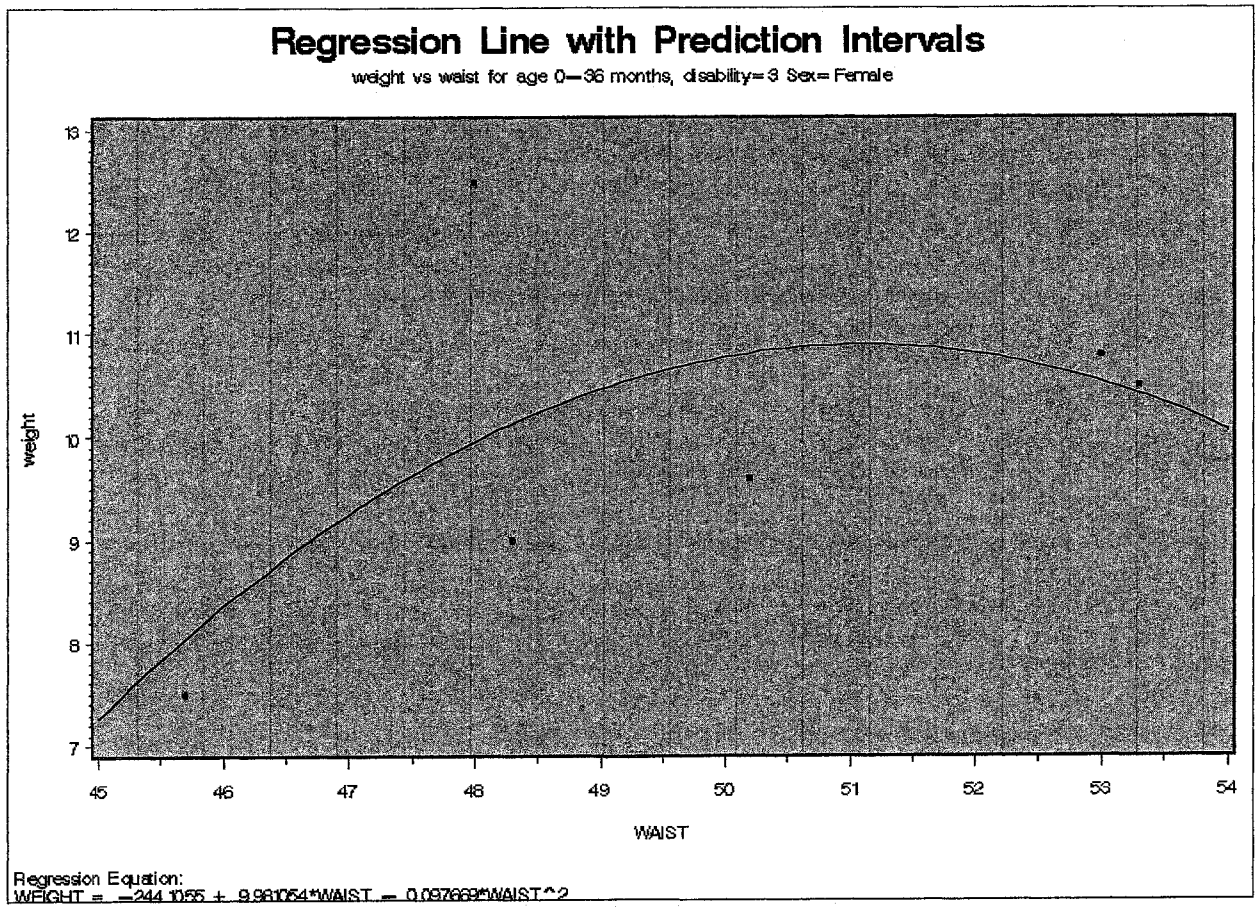
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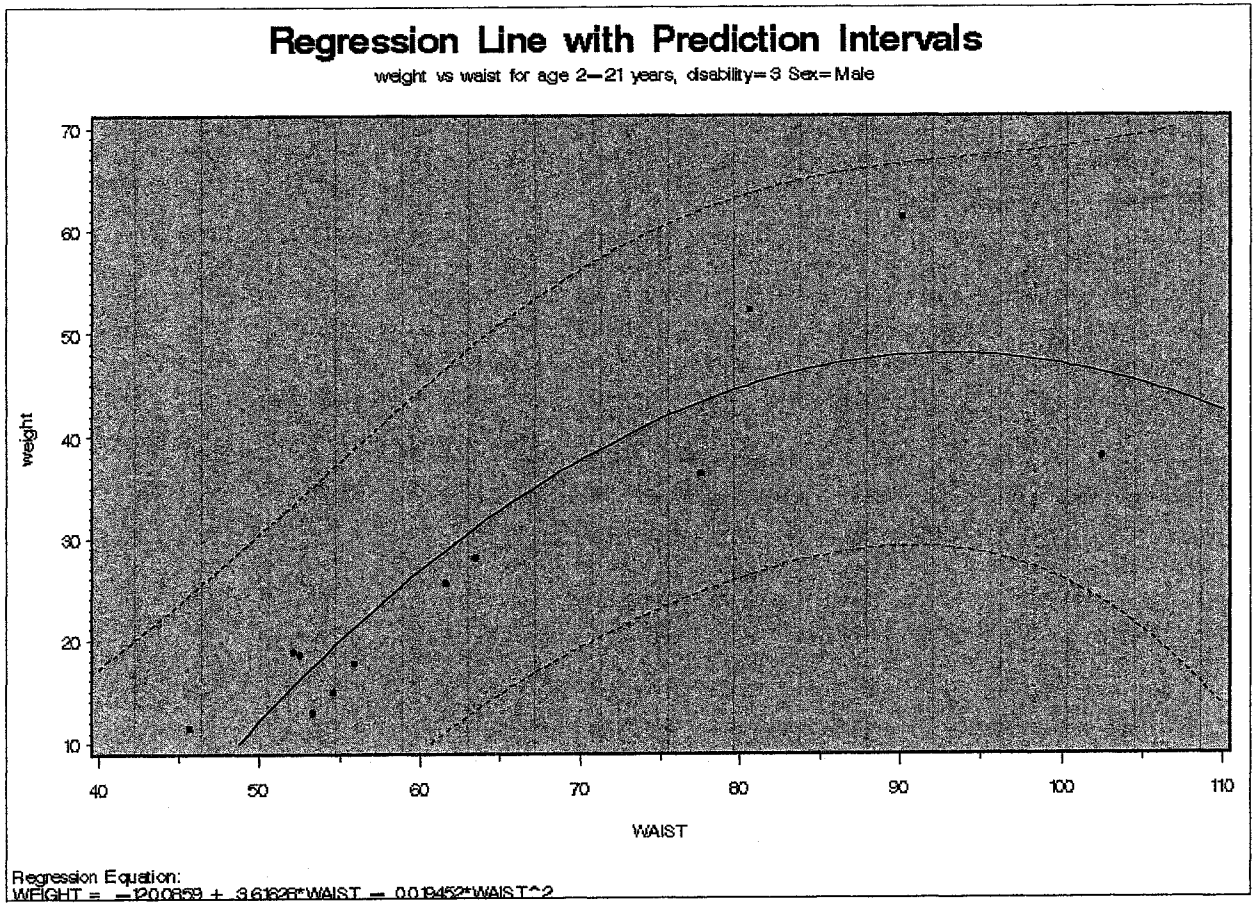
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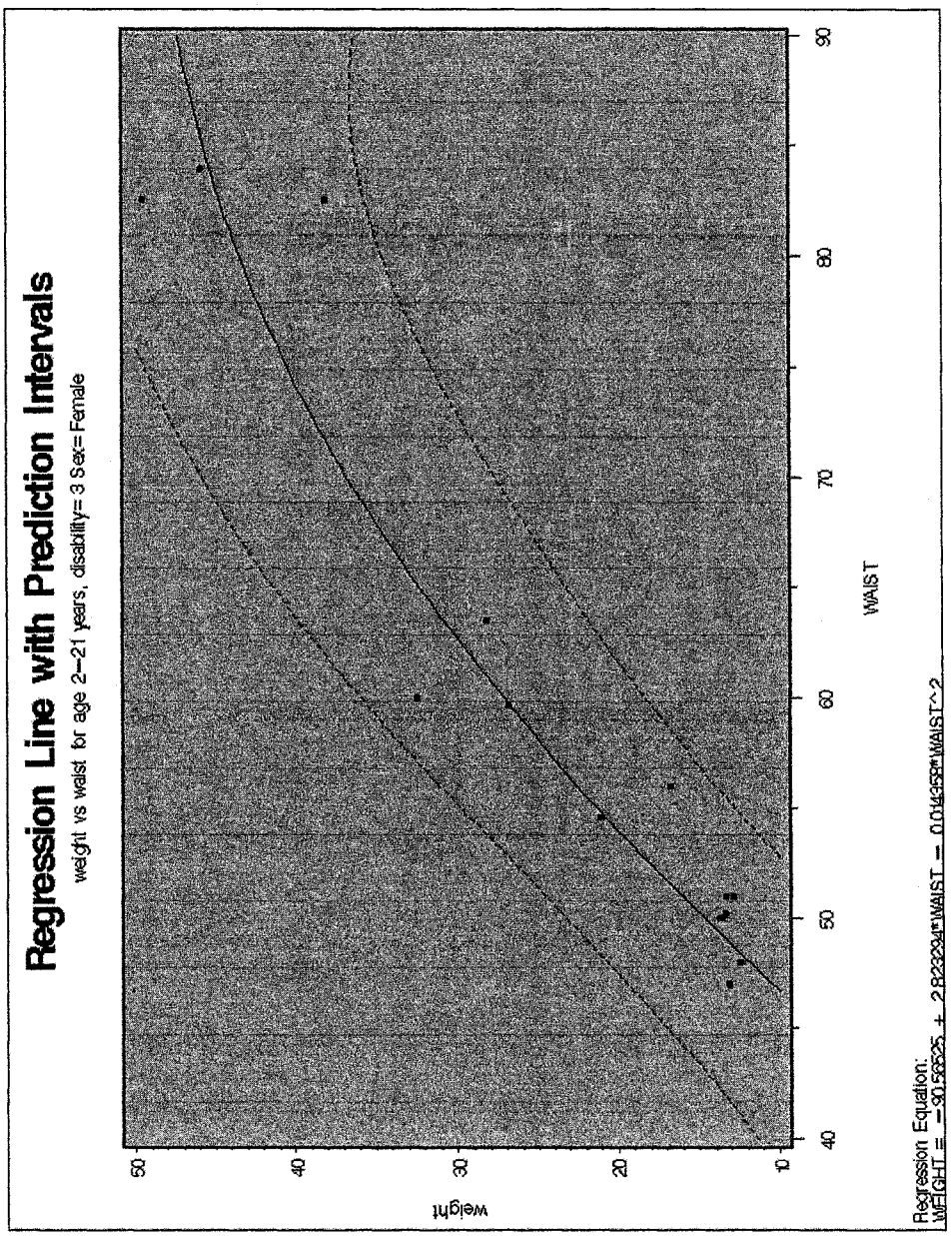
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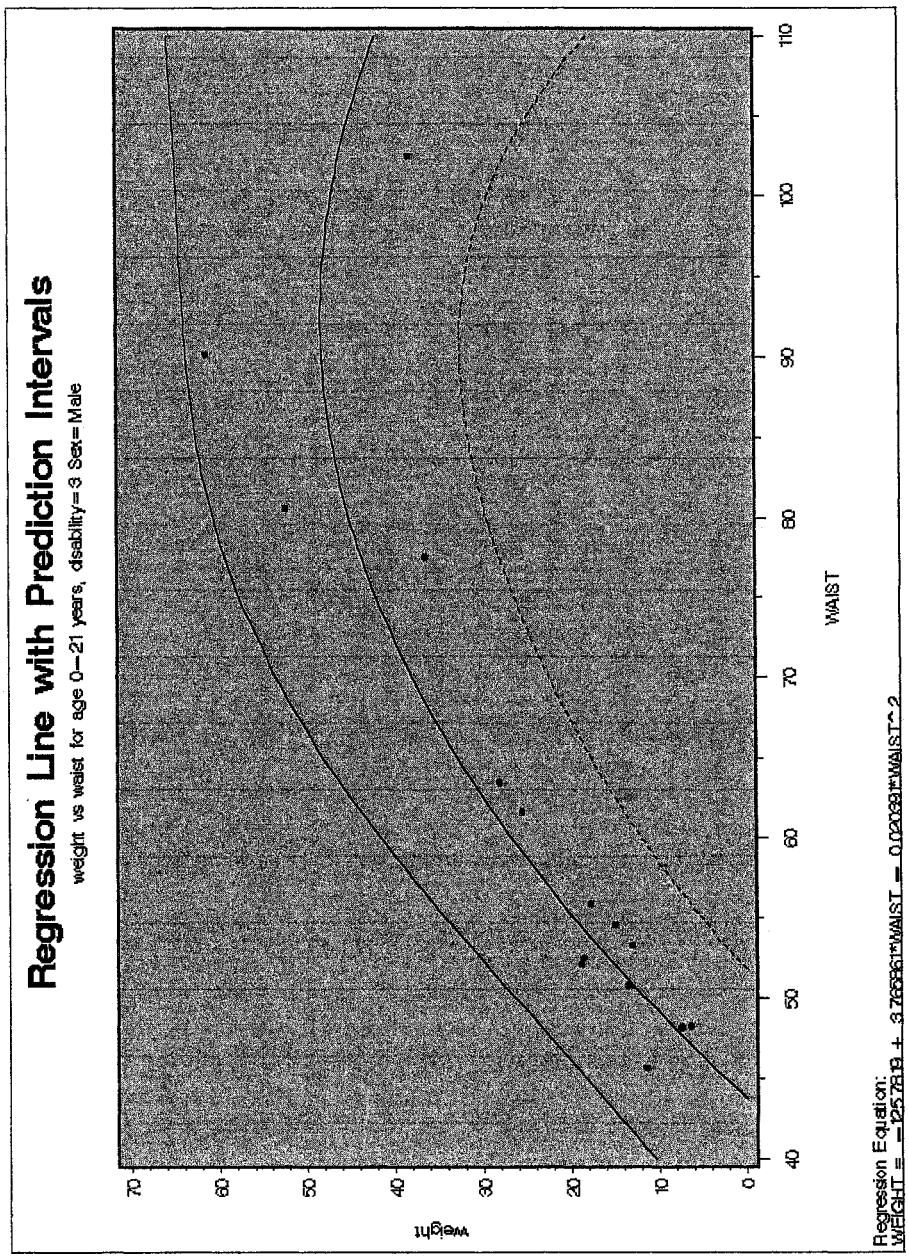




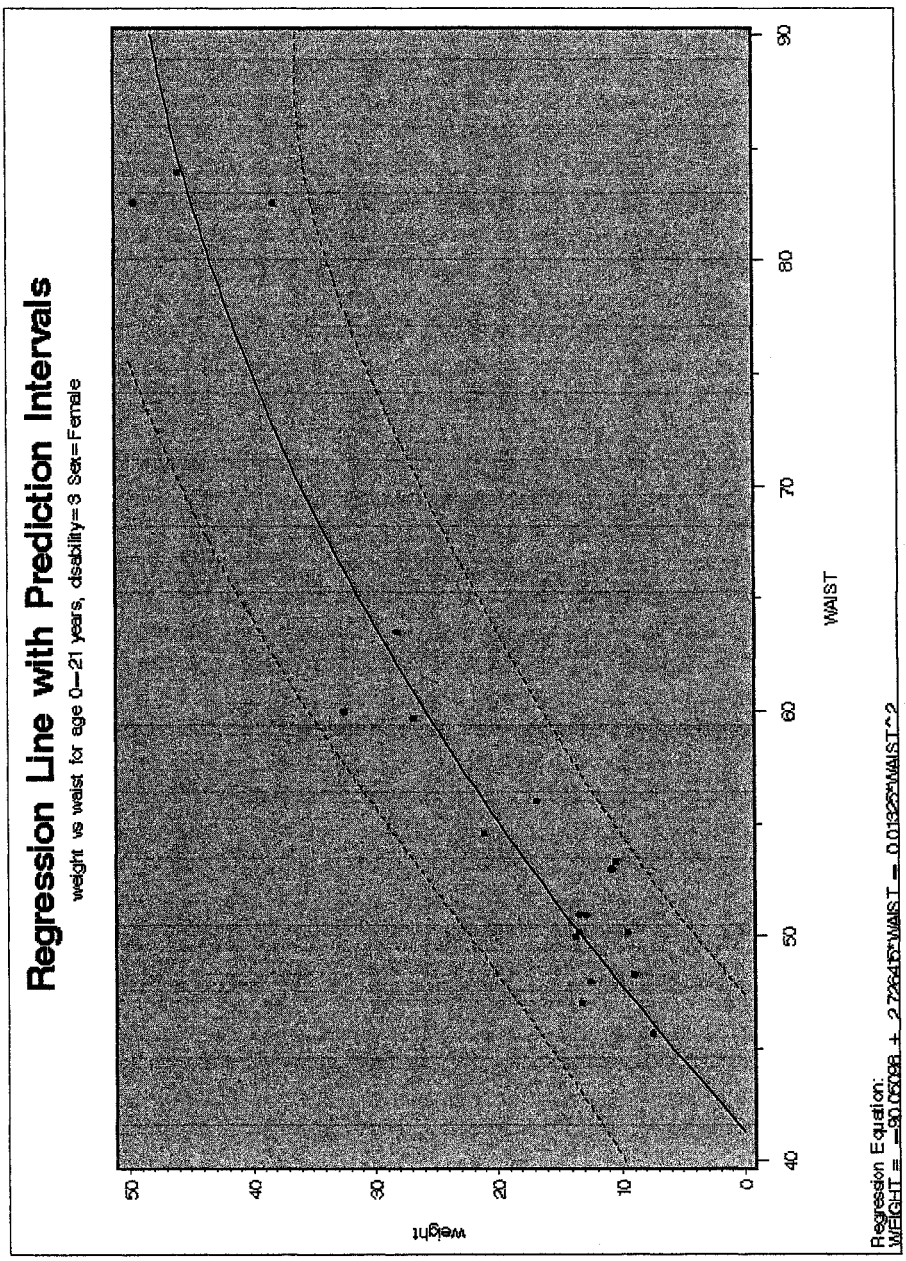
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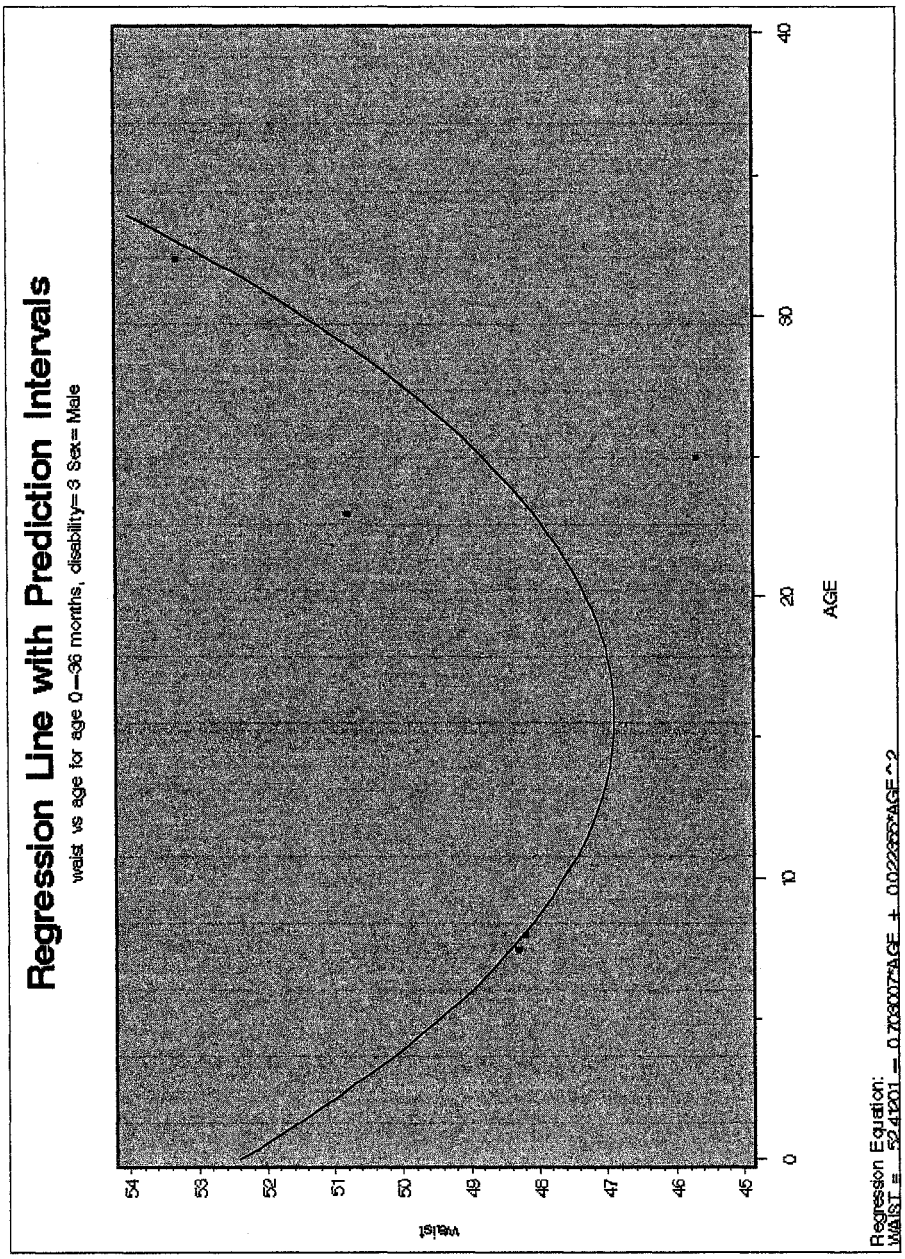
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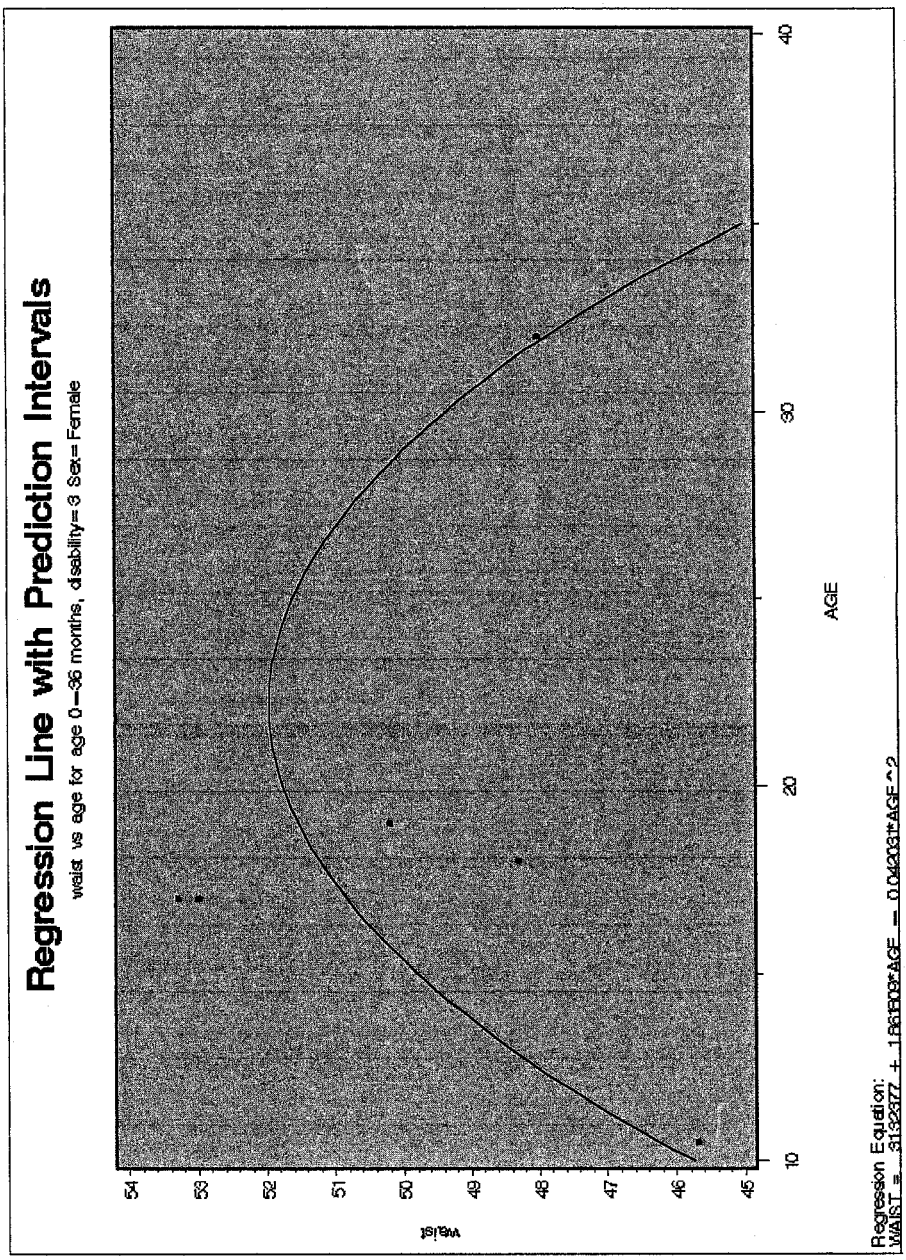
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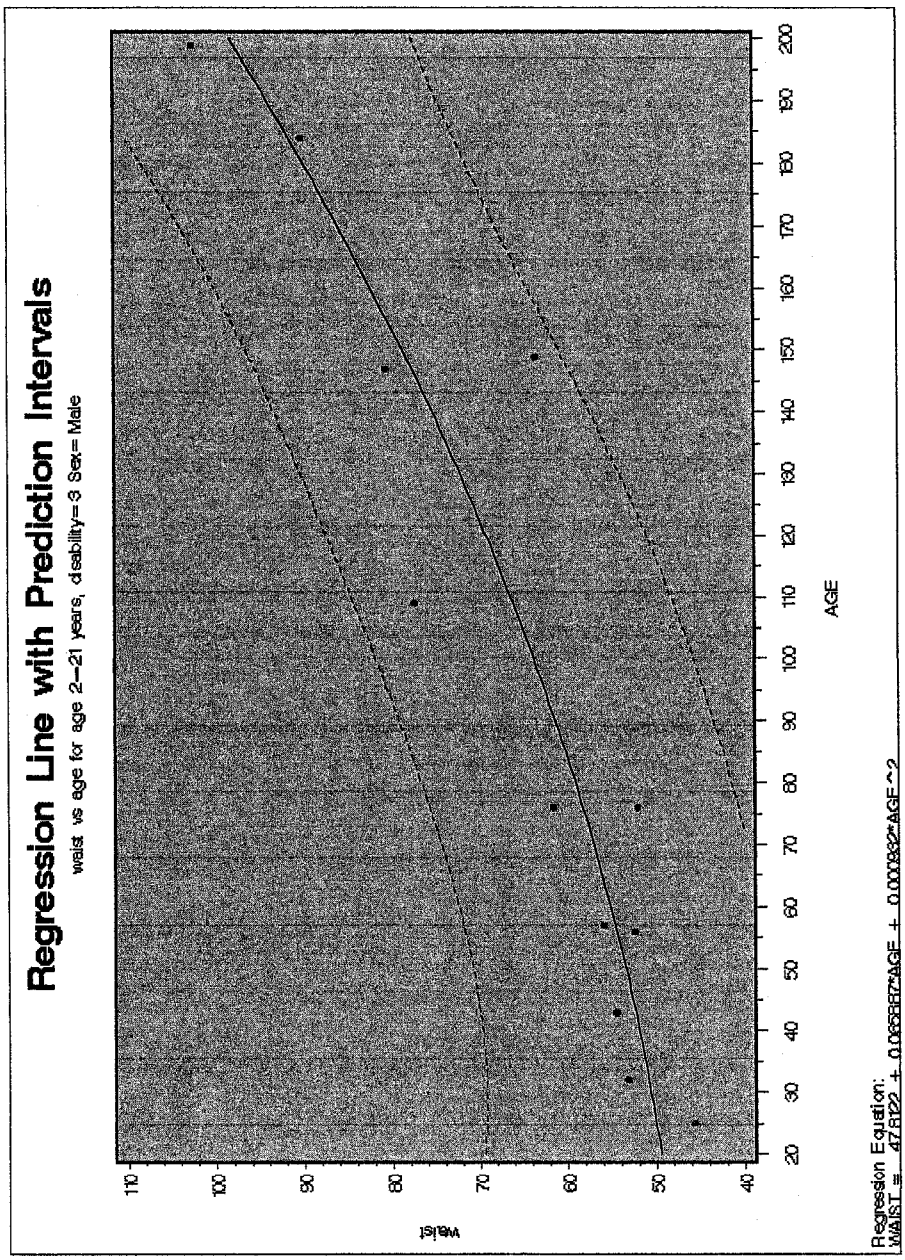
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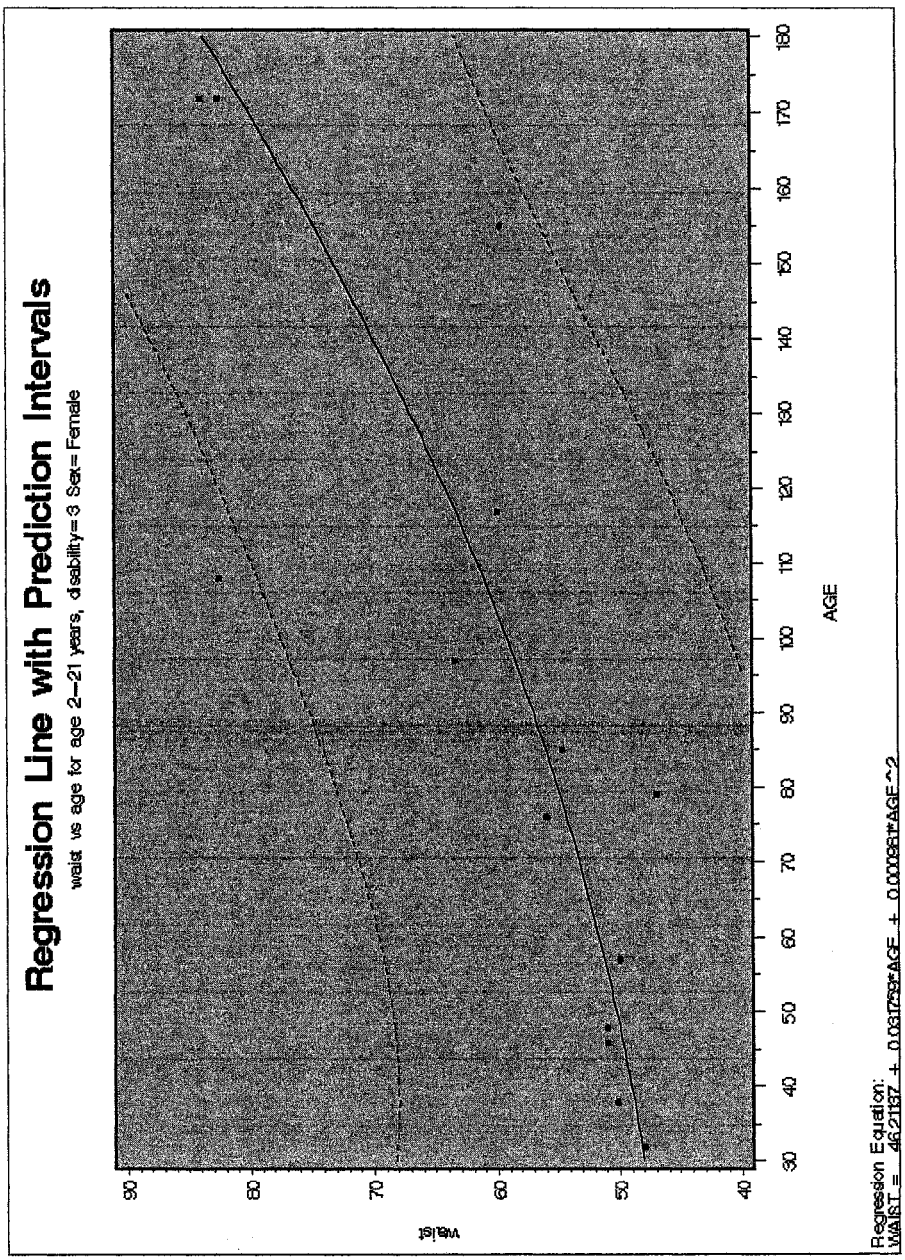
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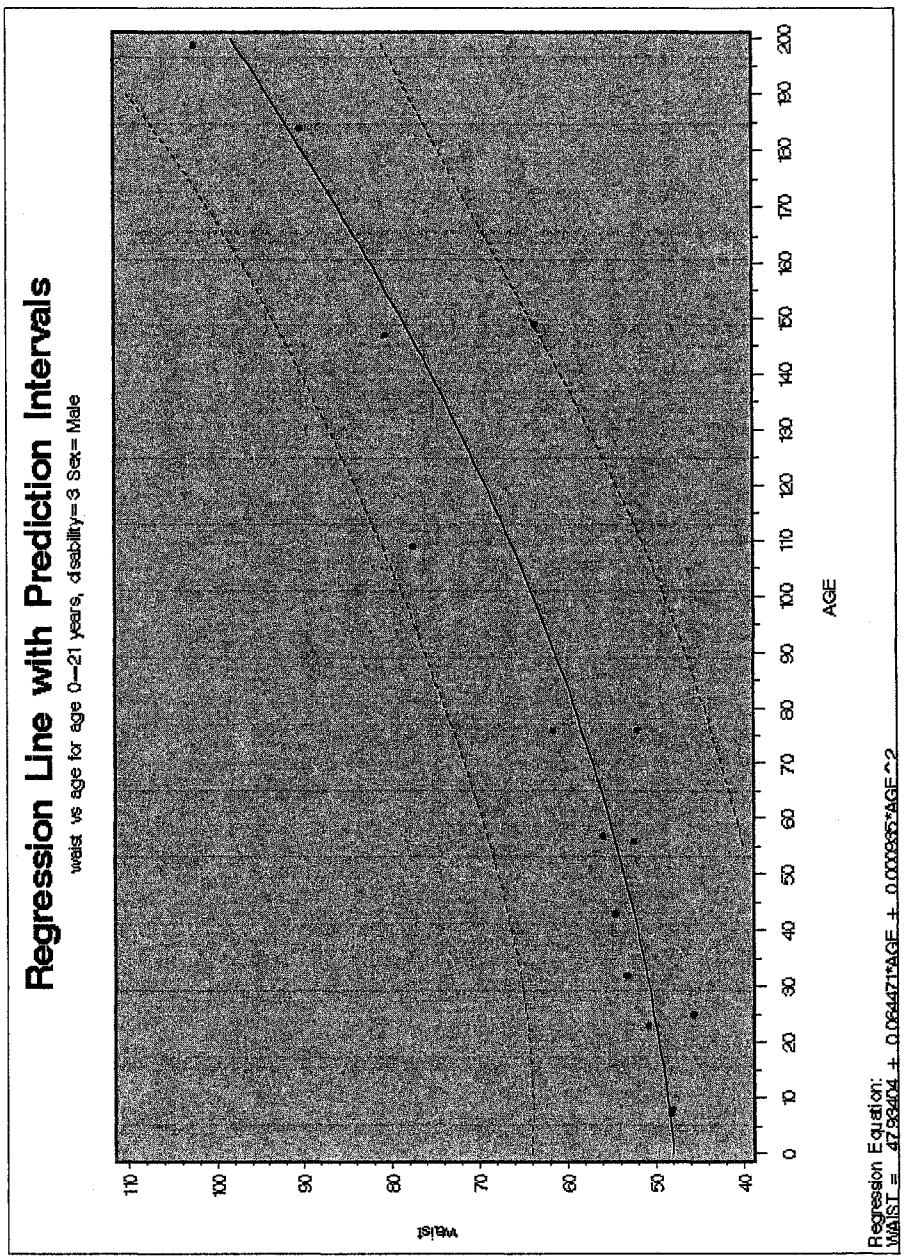
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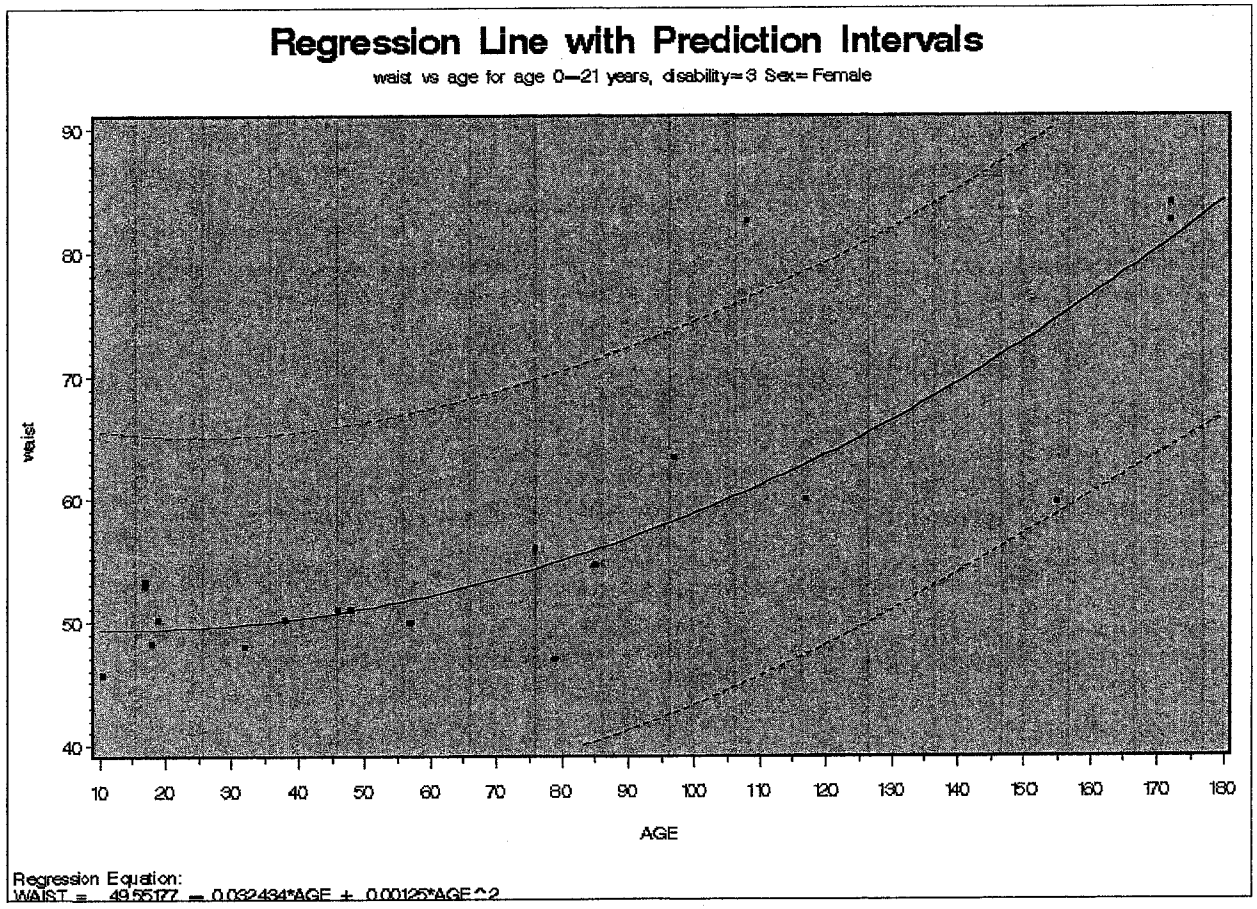
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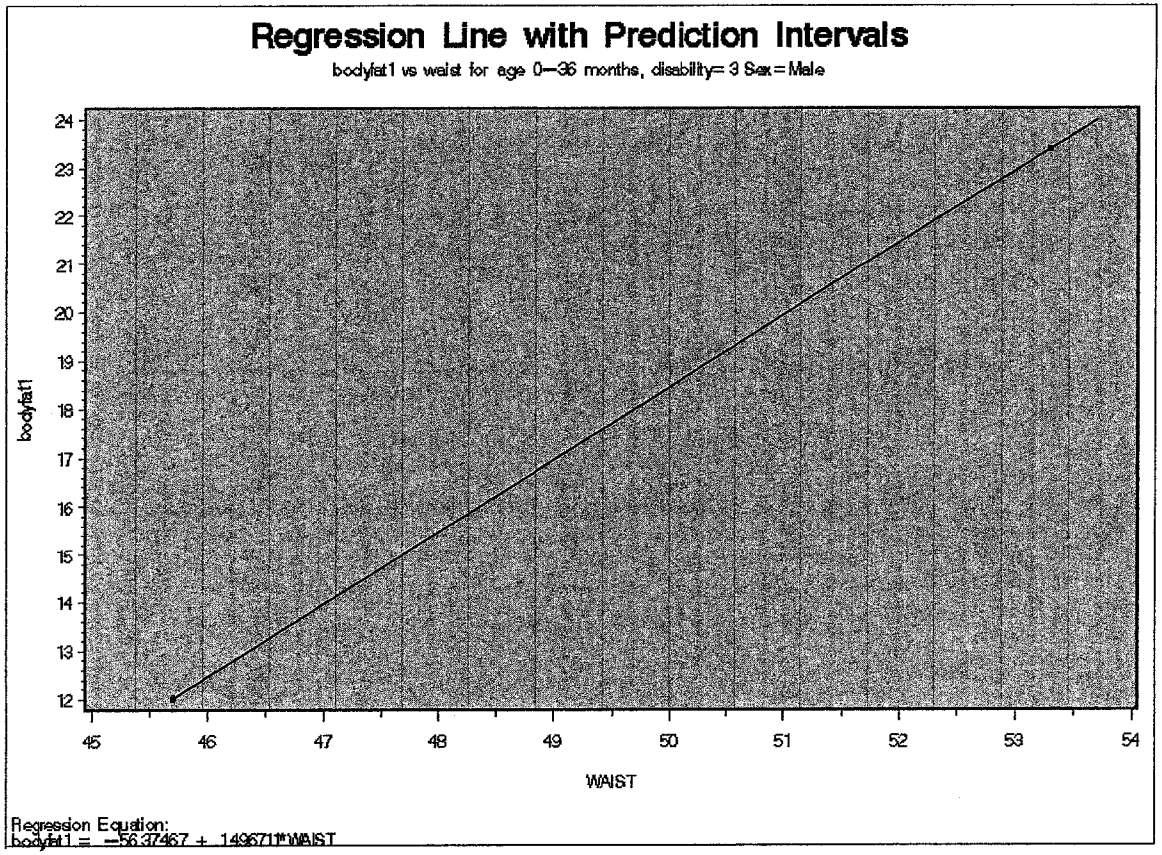


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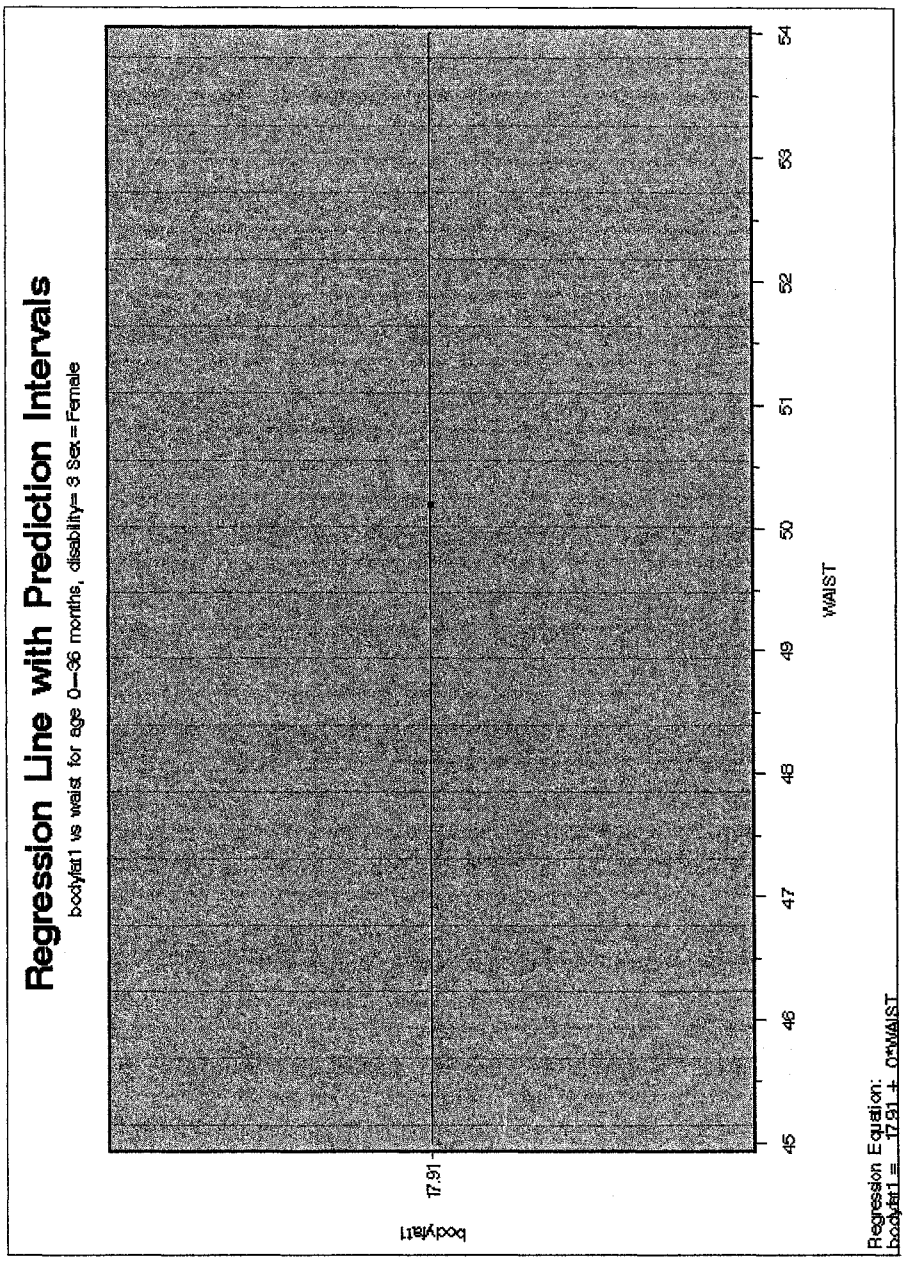


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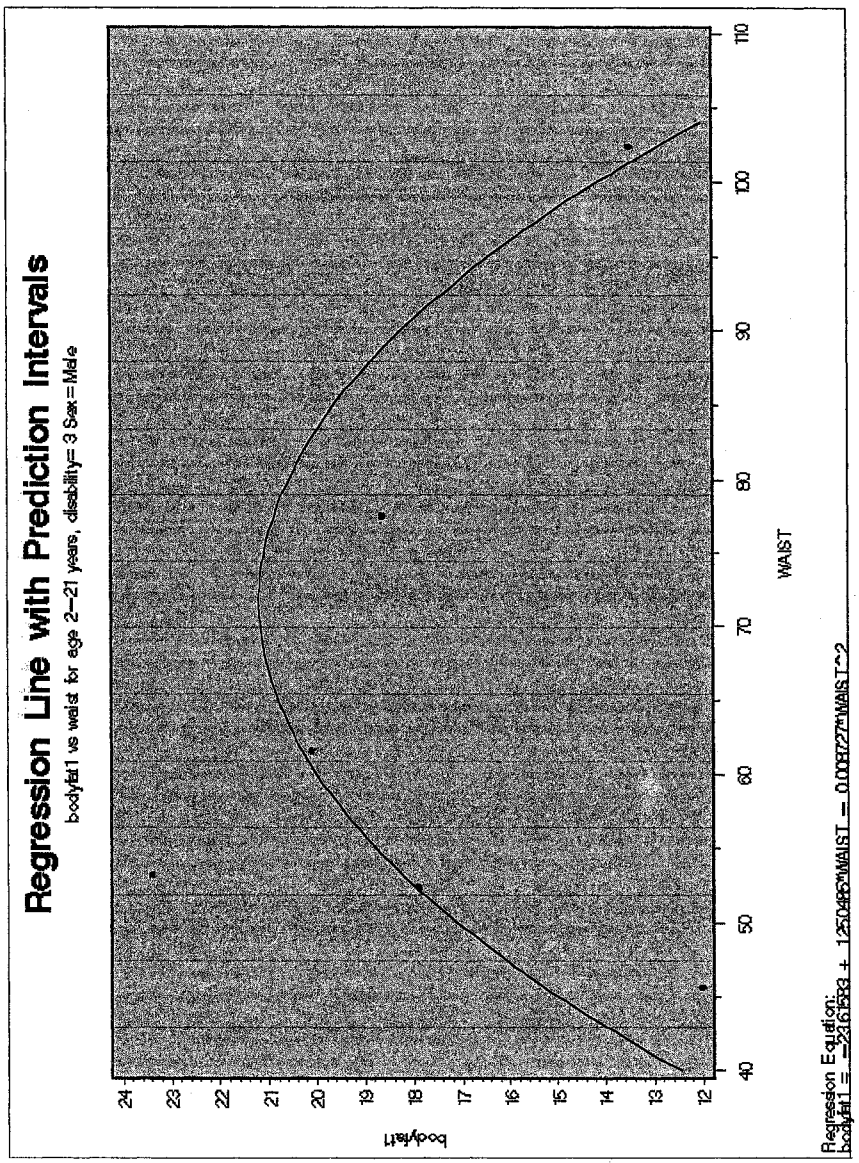
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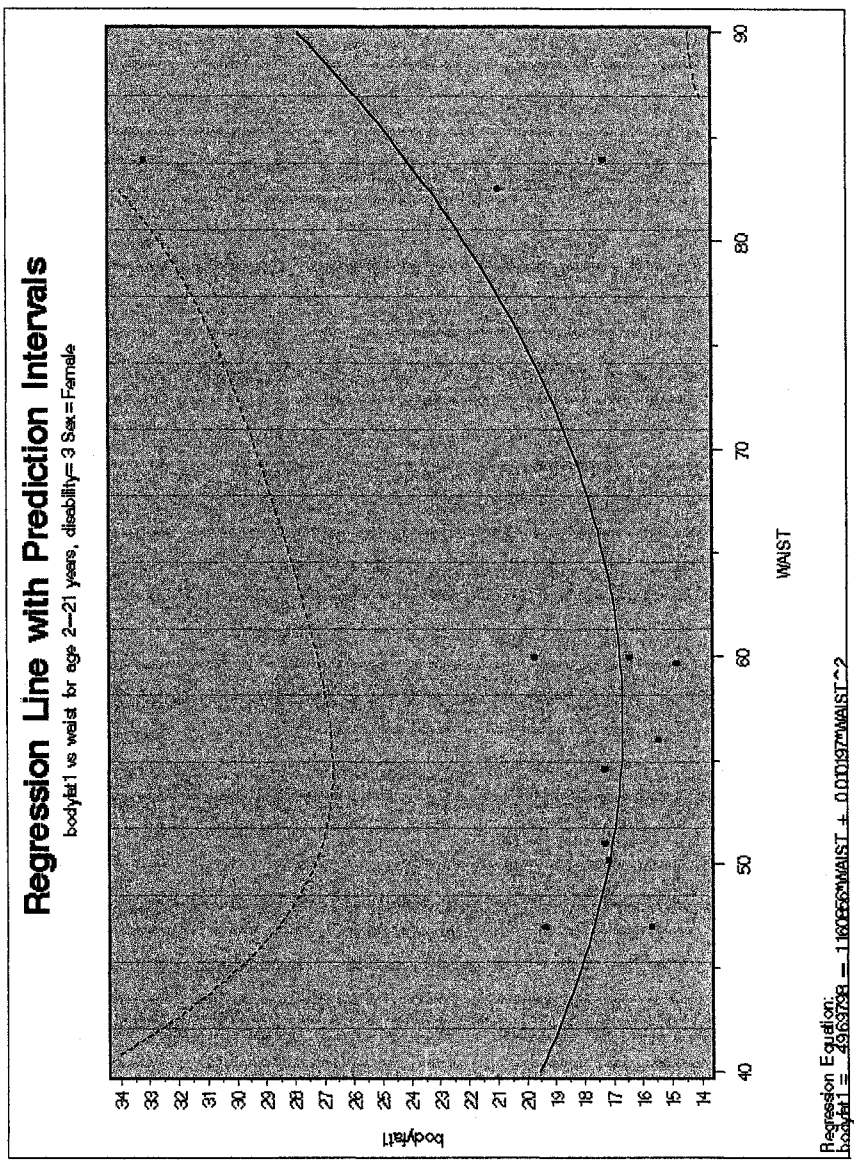
Regression Equation:
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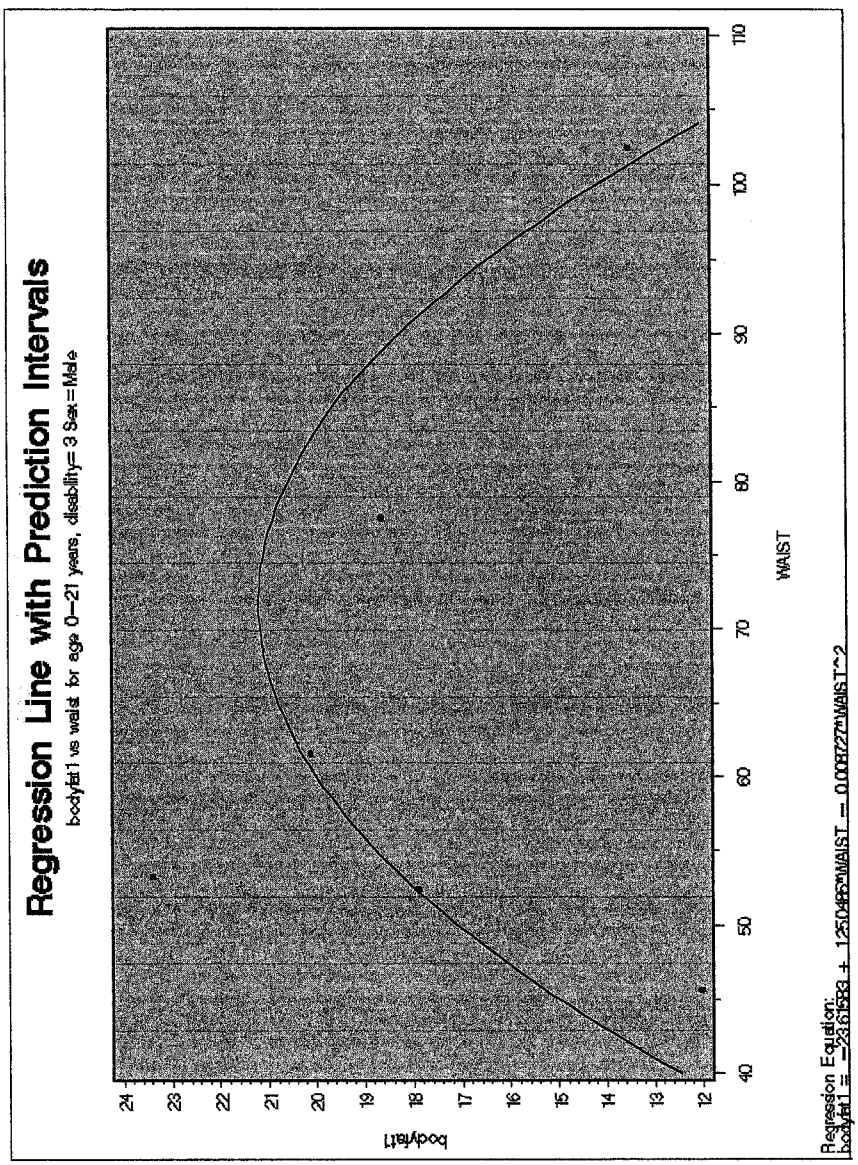
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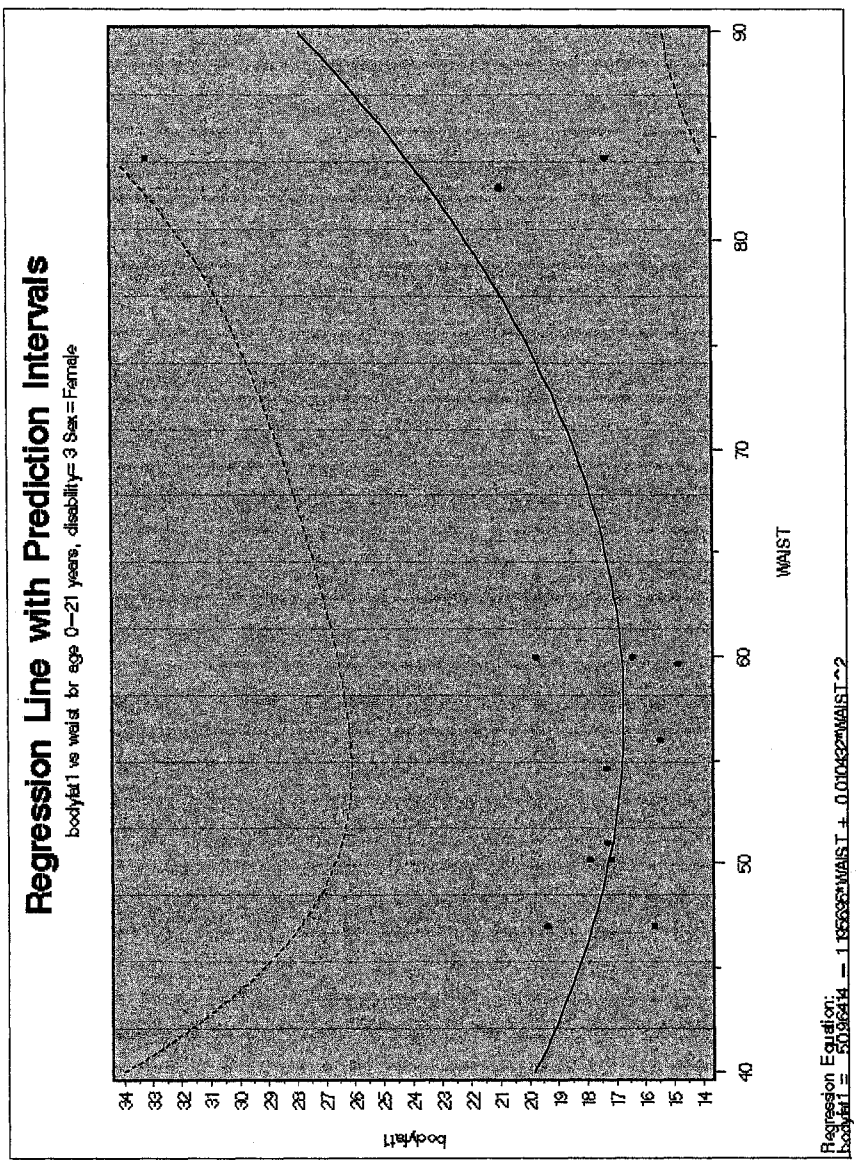
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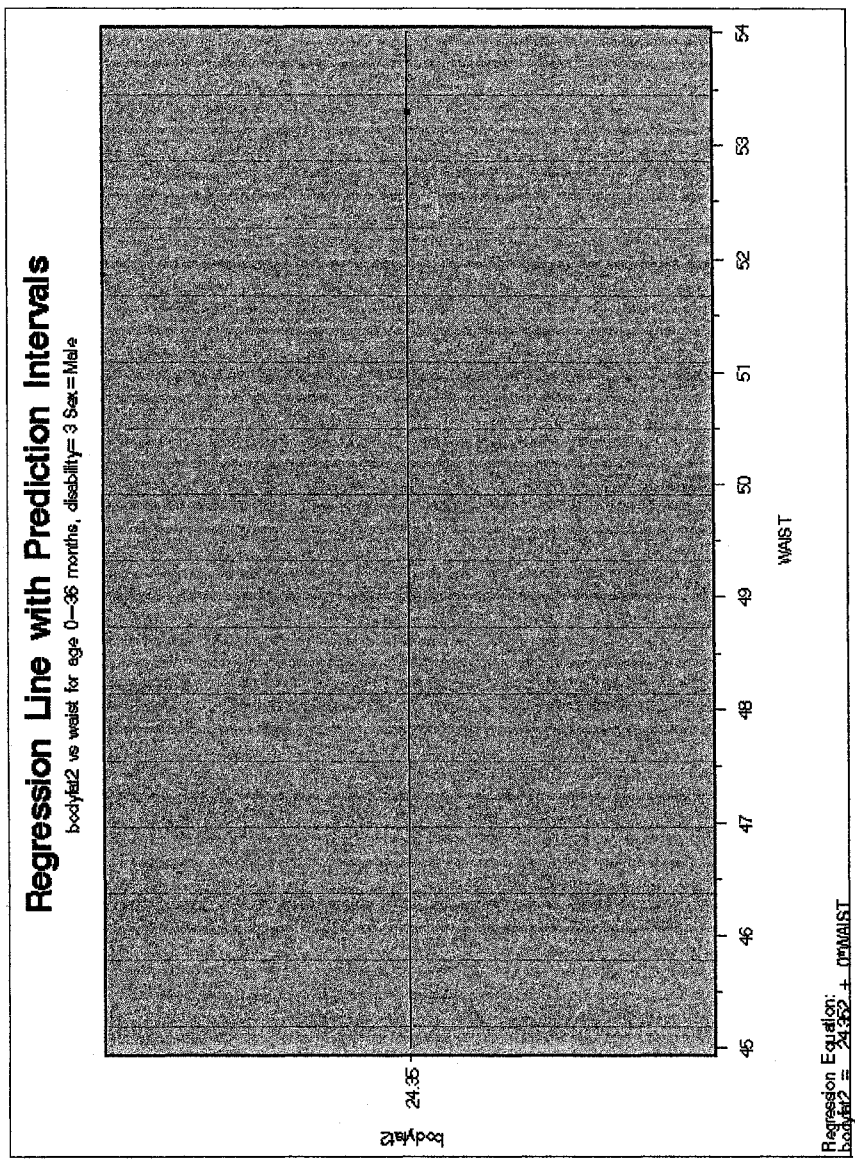
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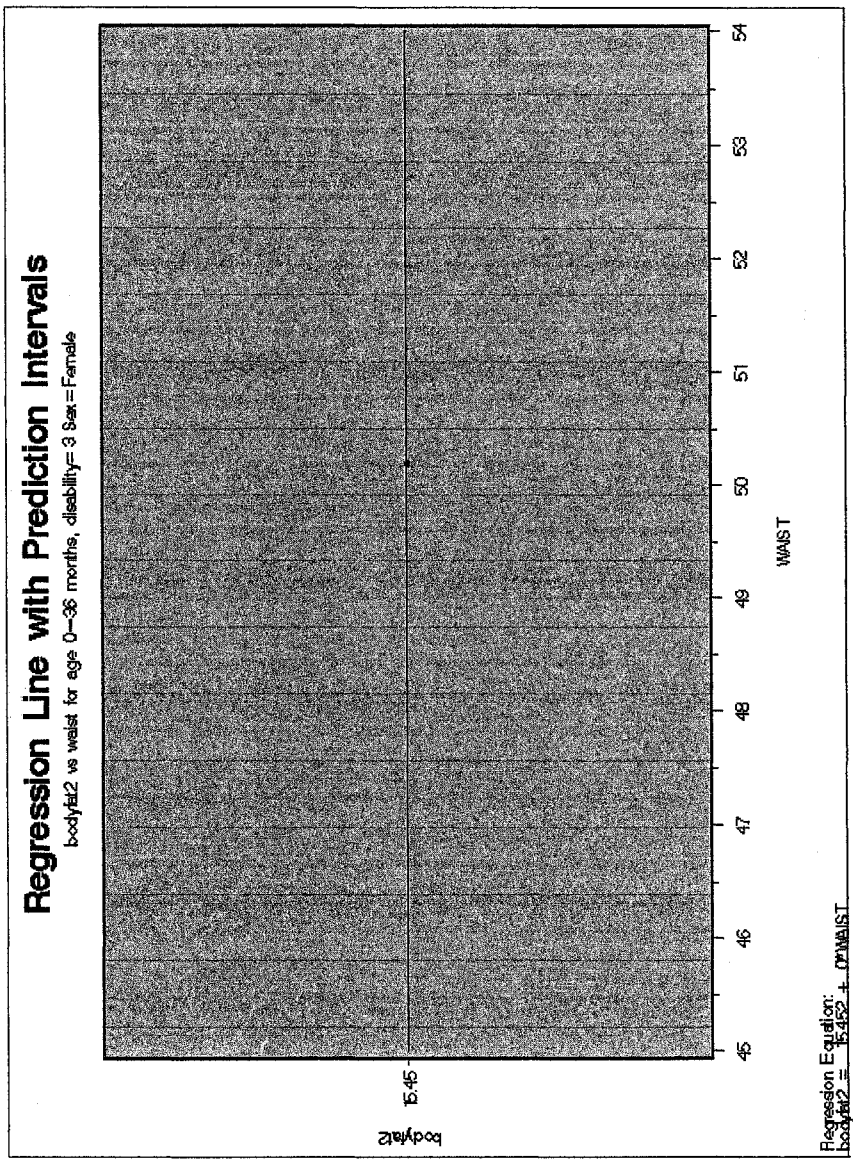
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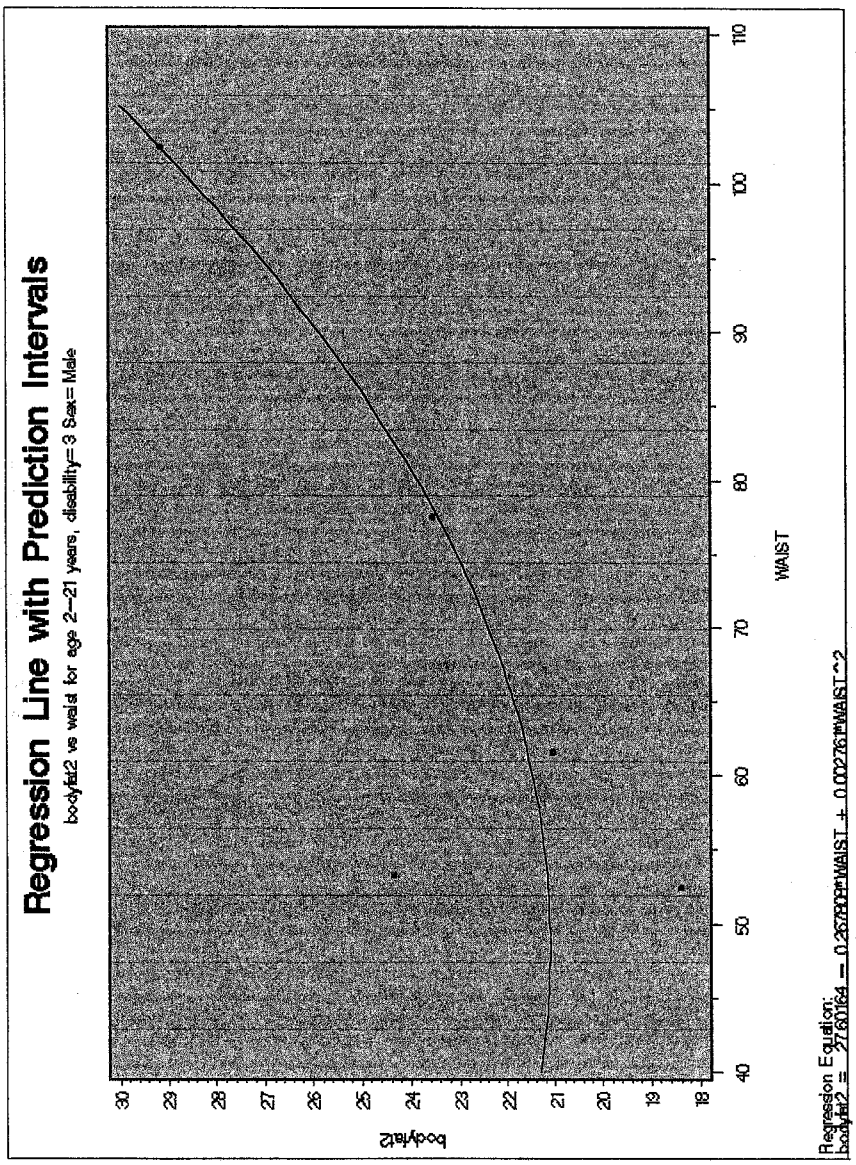
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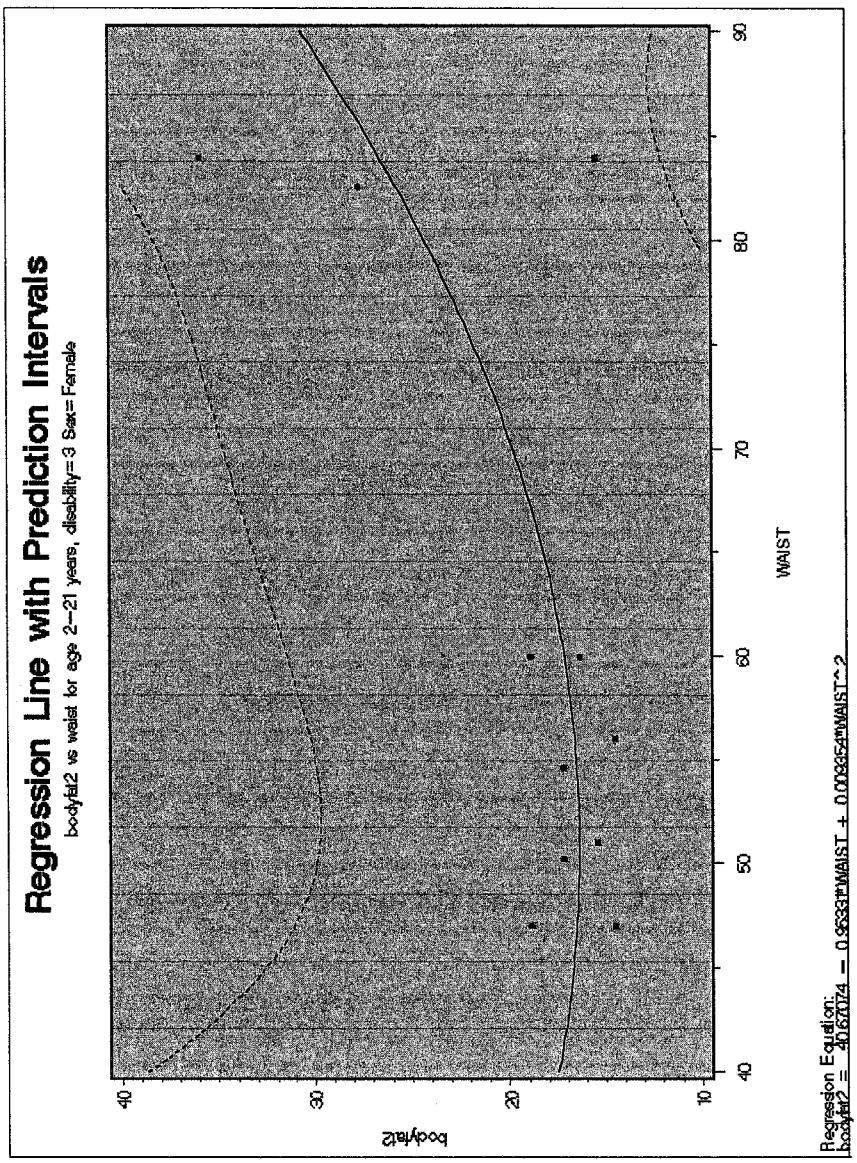
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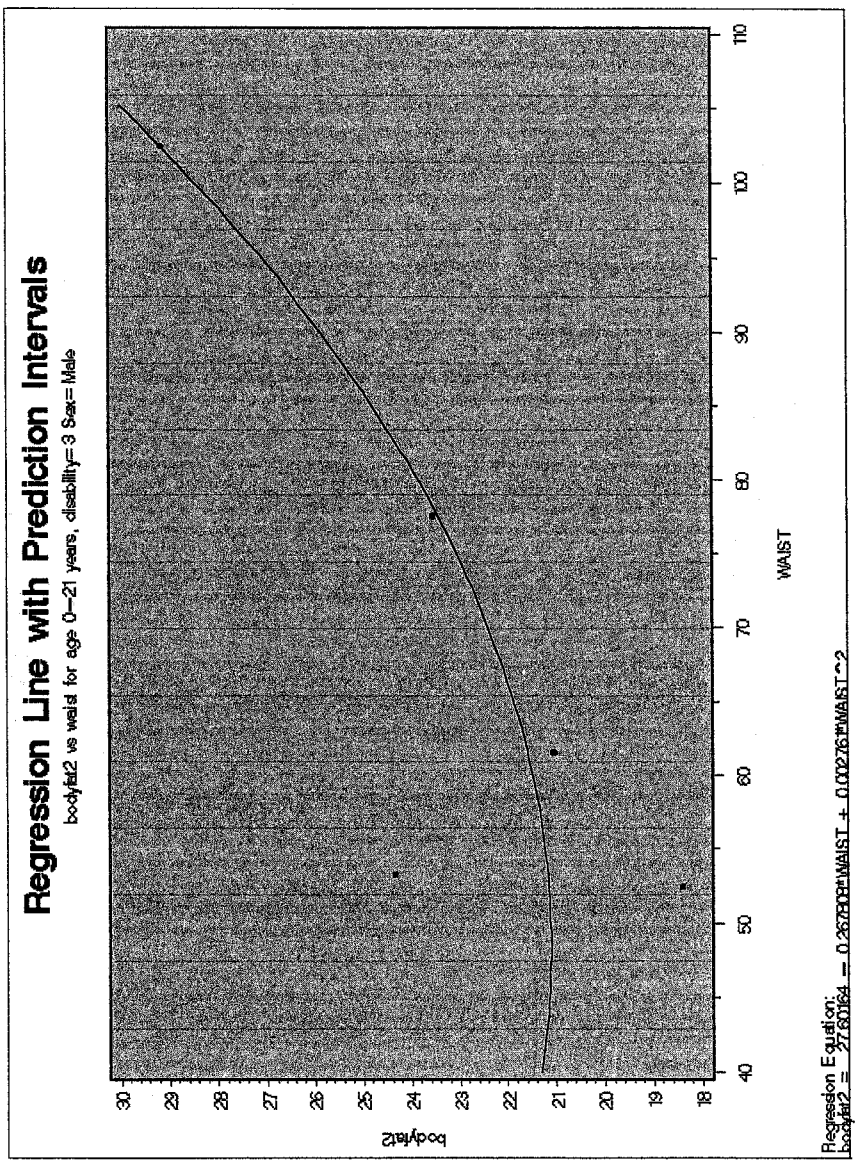
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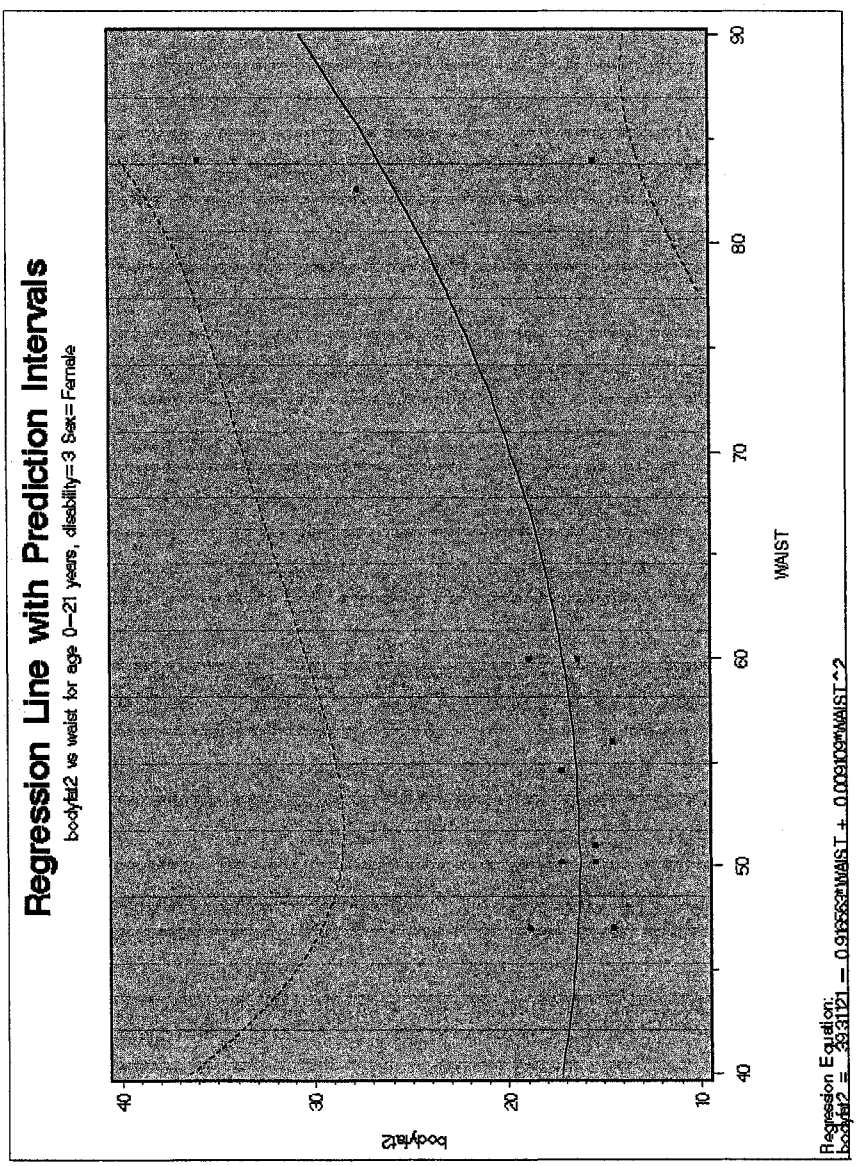
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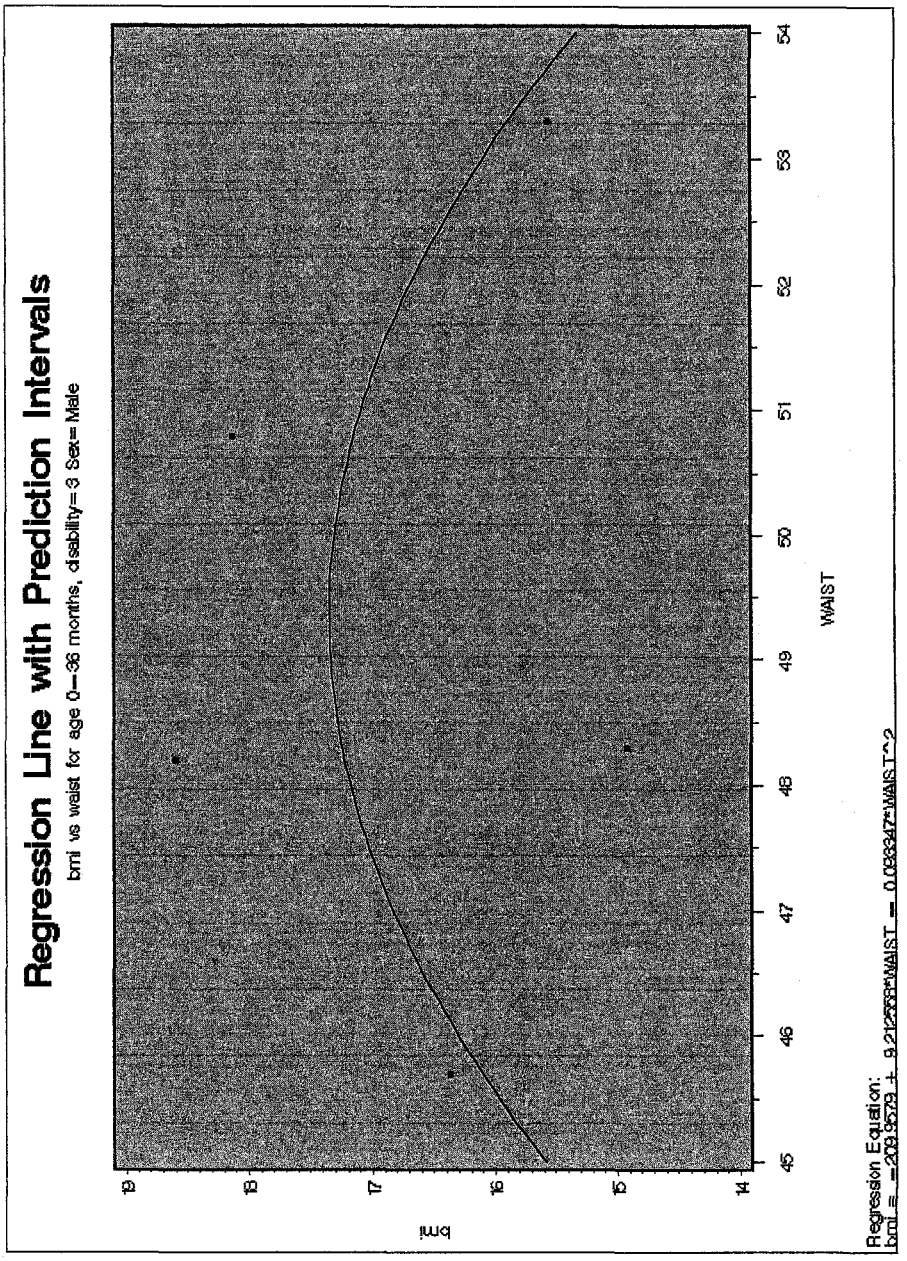
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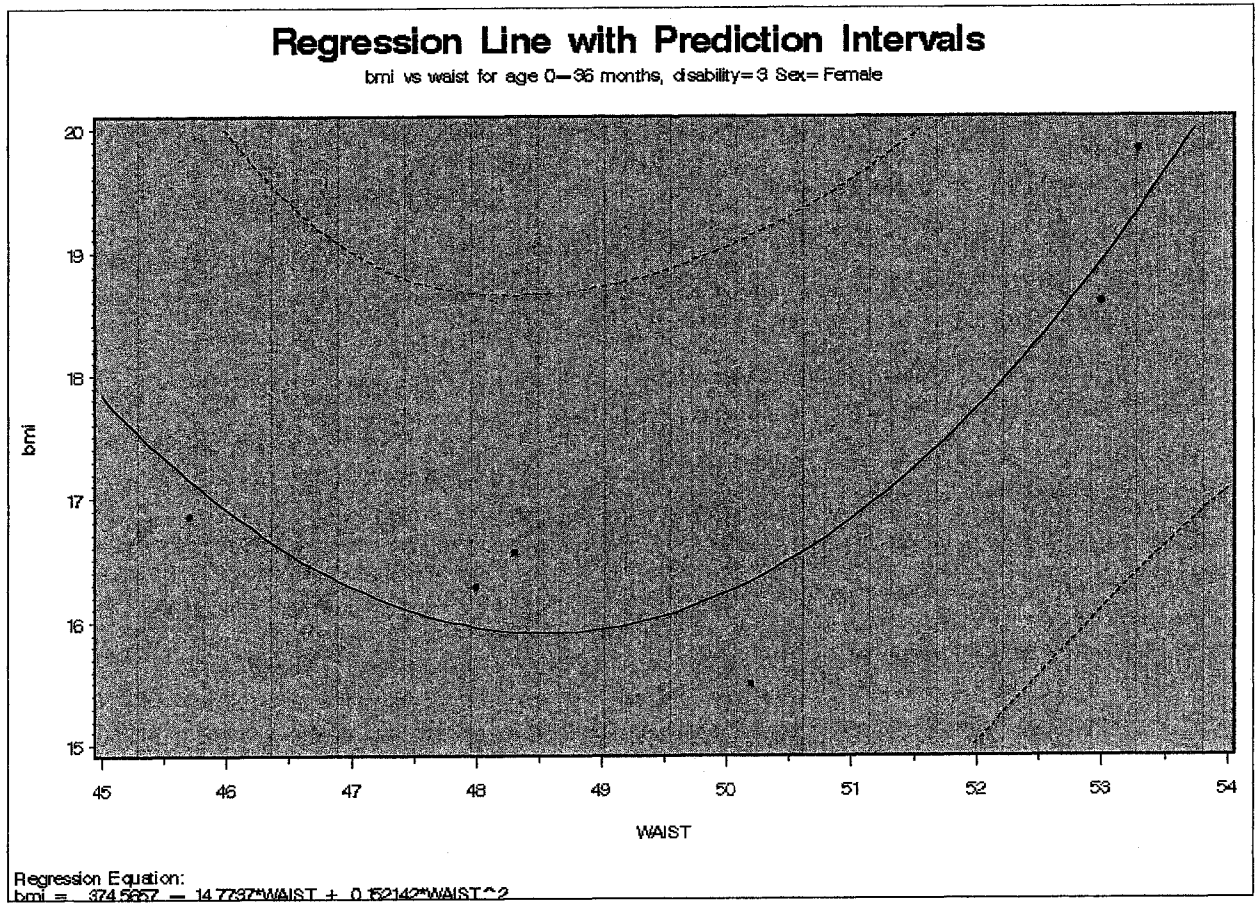


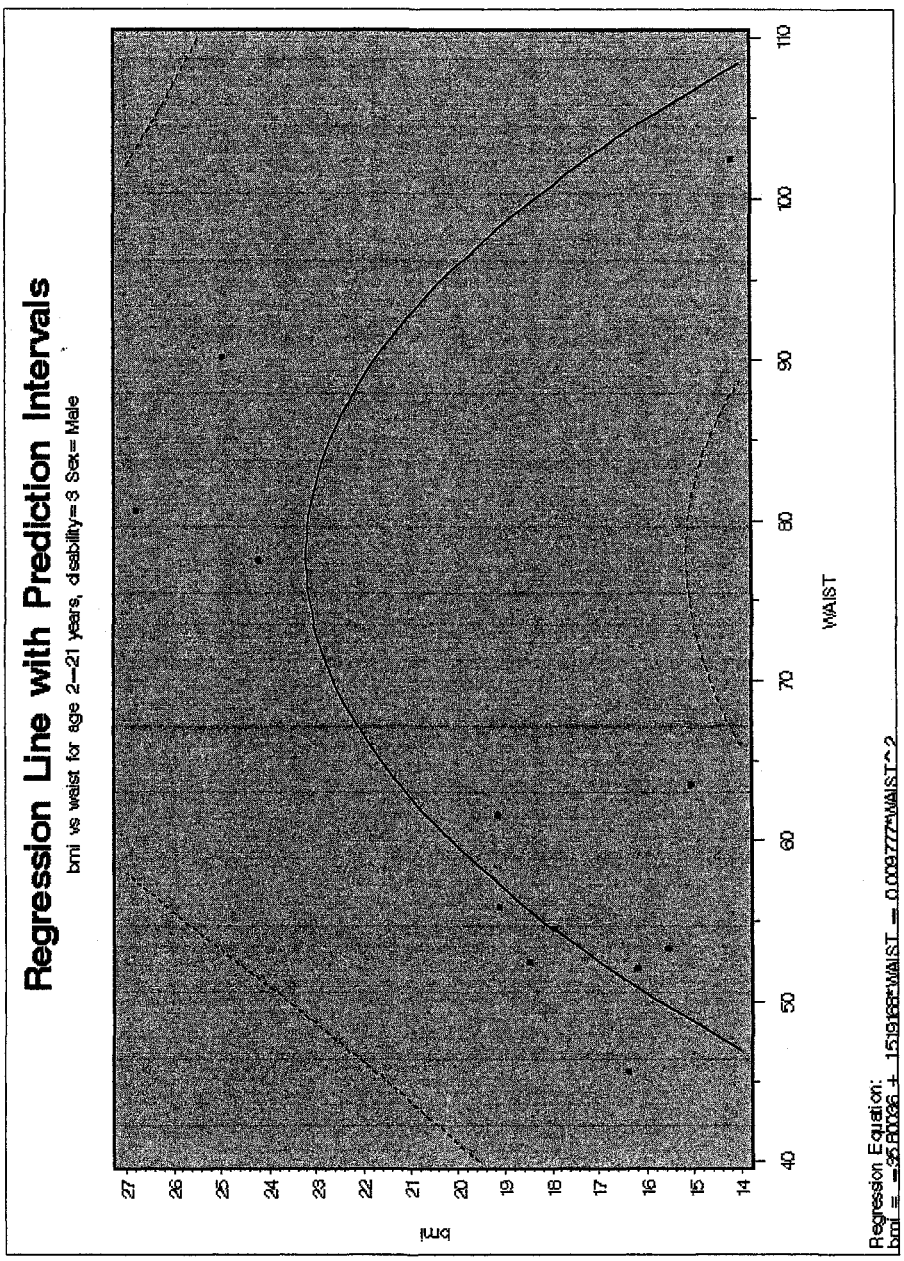
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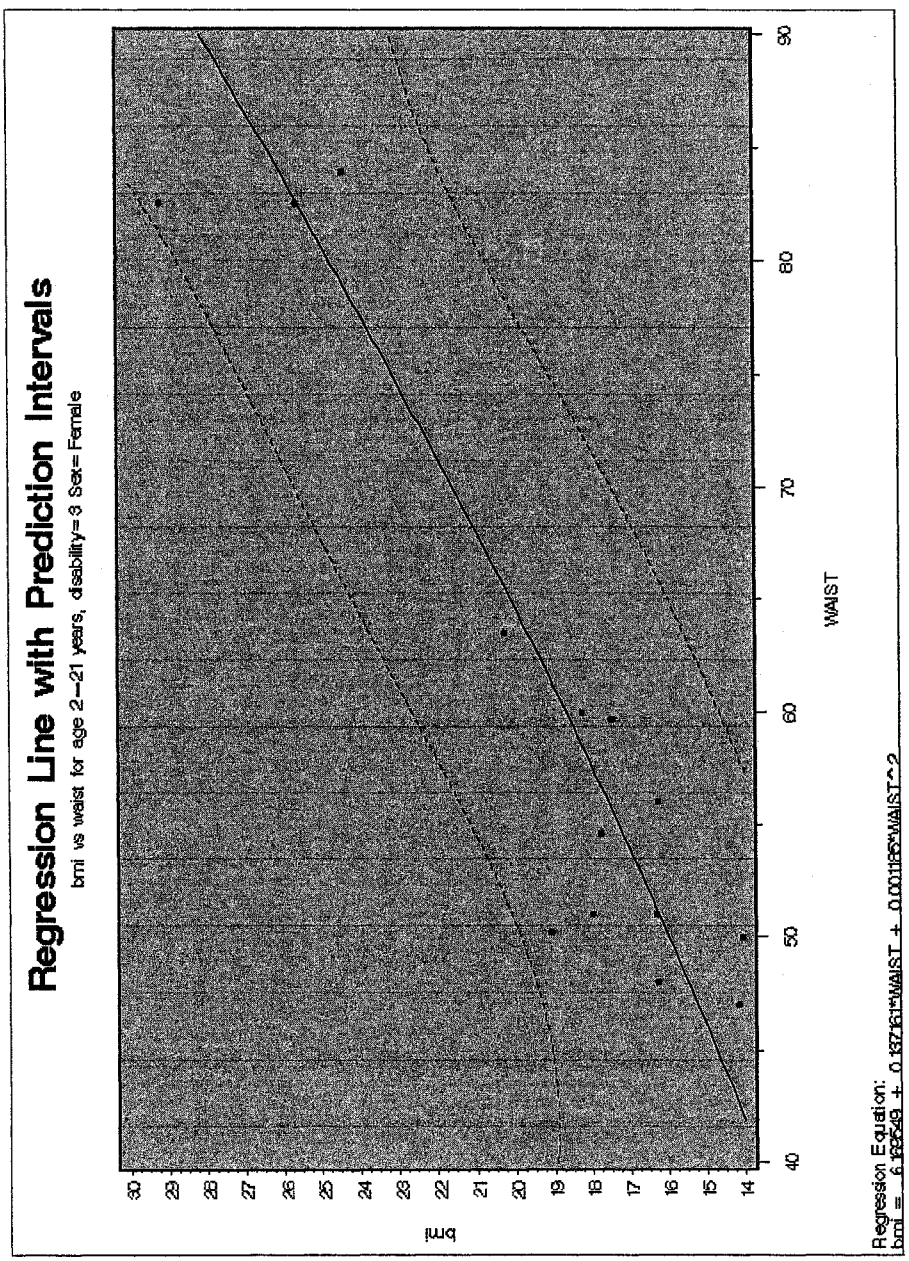
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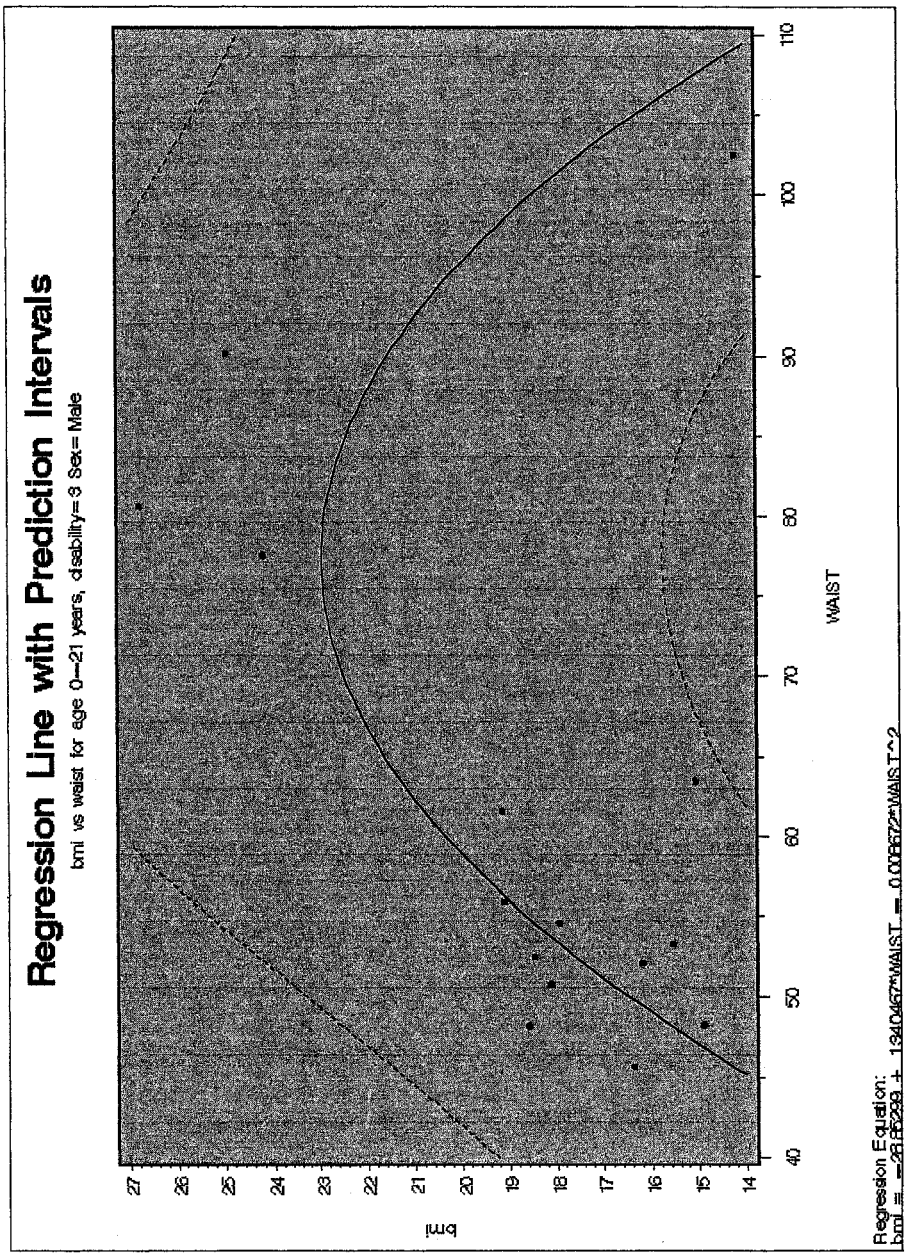




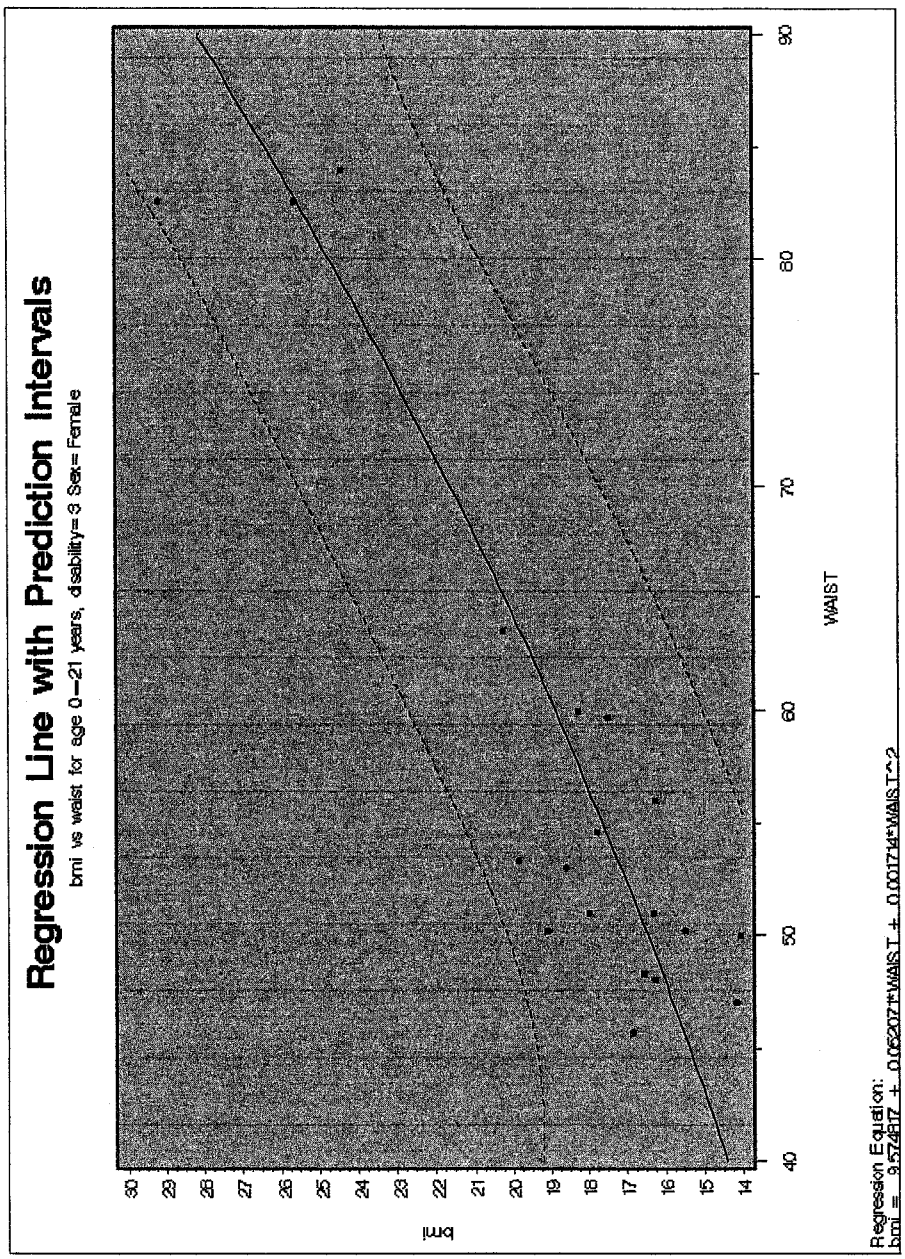
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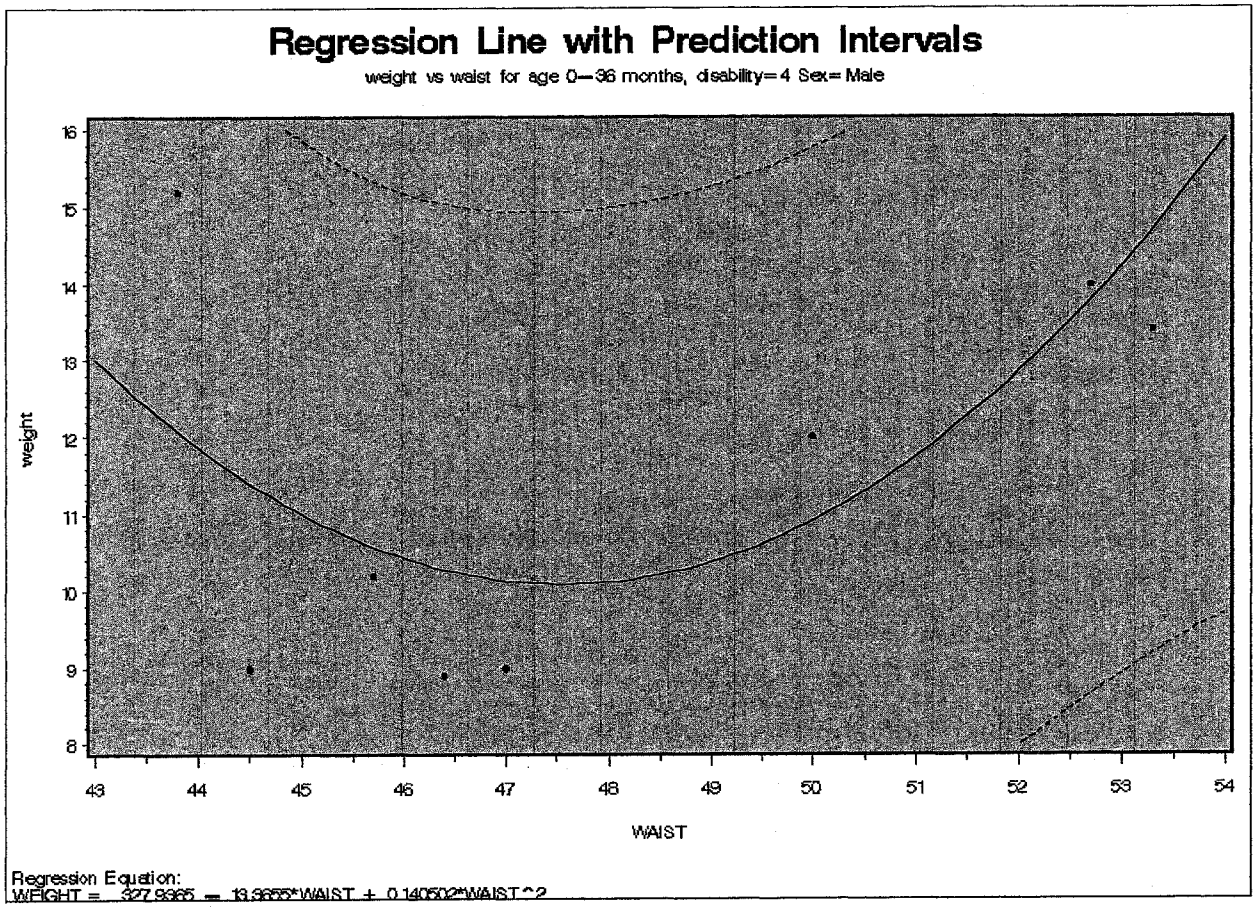
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APPENDIX H (cont)

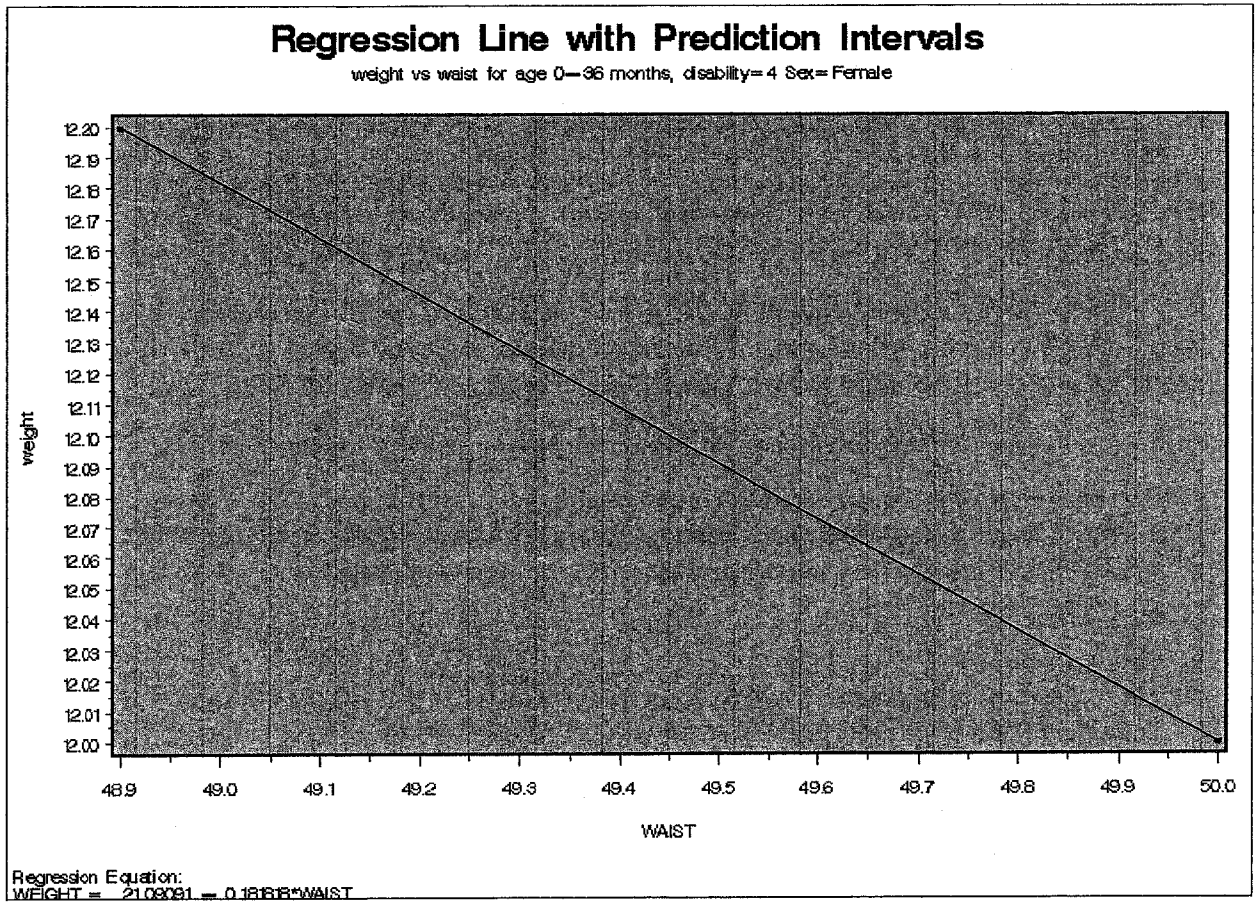
LINEAR REGRESSION GRAPHS
WAIST CIRCUMFERENCE TO WEIGHT, AGE, PERCENT BODYFAT, BMI
DISABILITY POPULATION
SEPARATED DATA

4=CEREBRAL PALSY

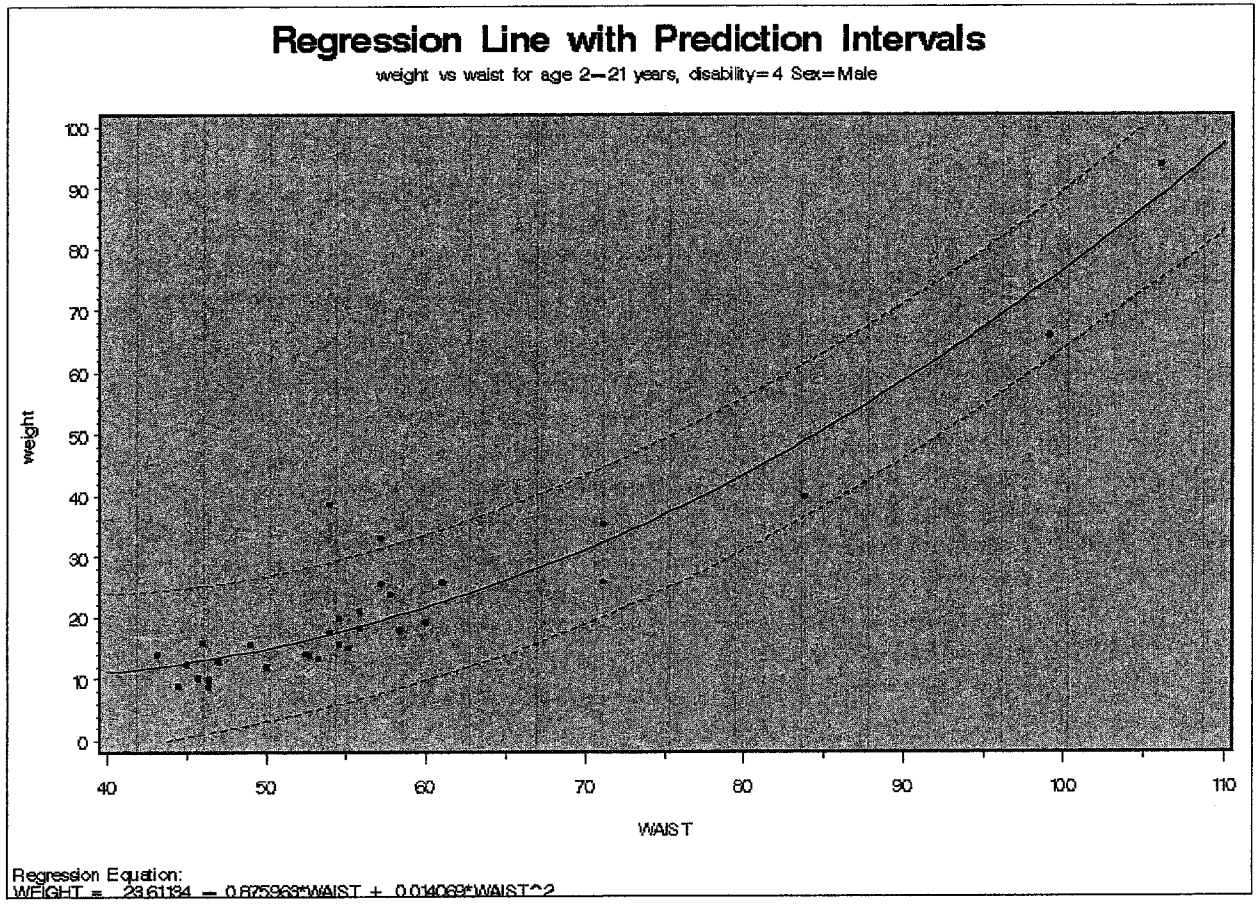
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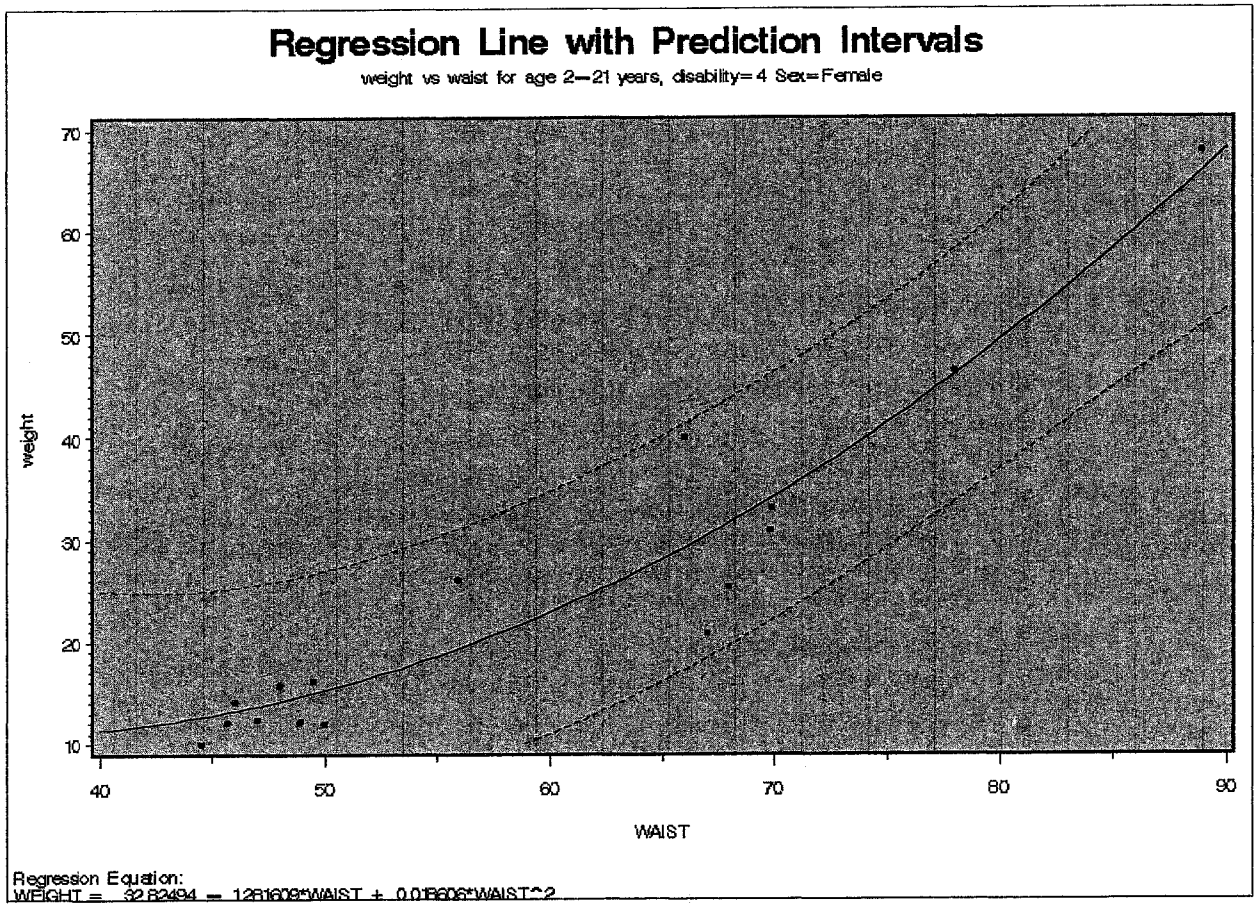
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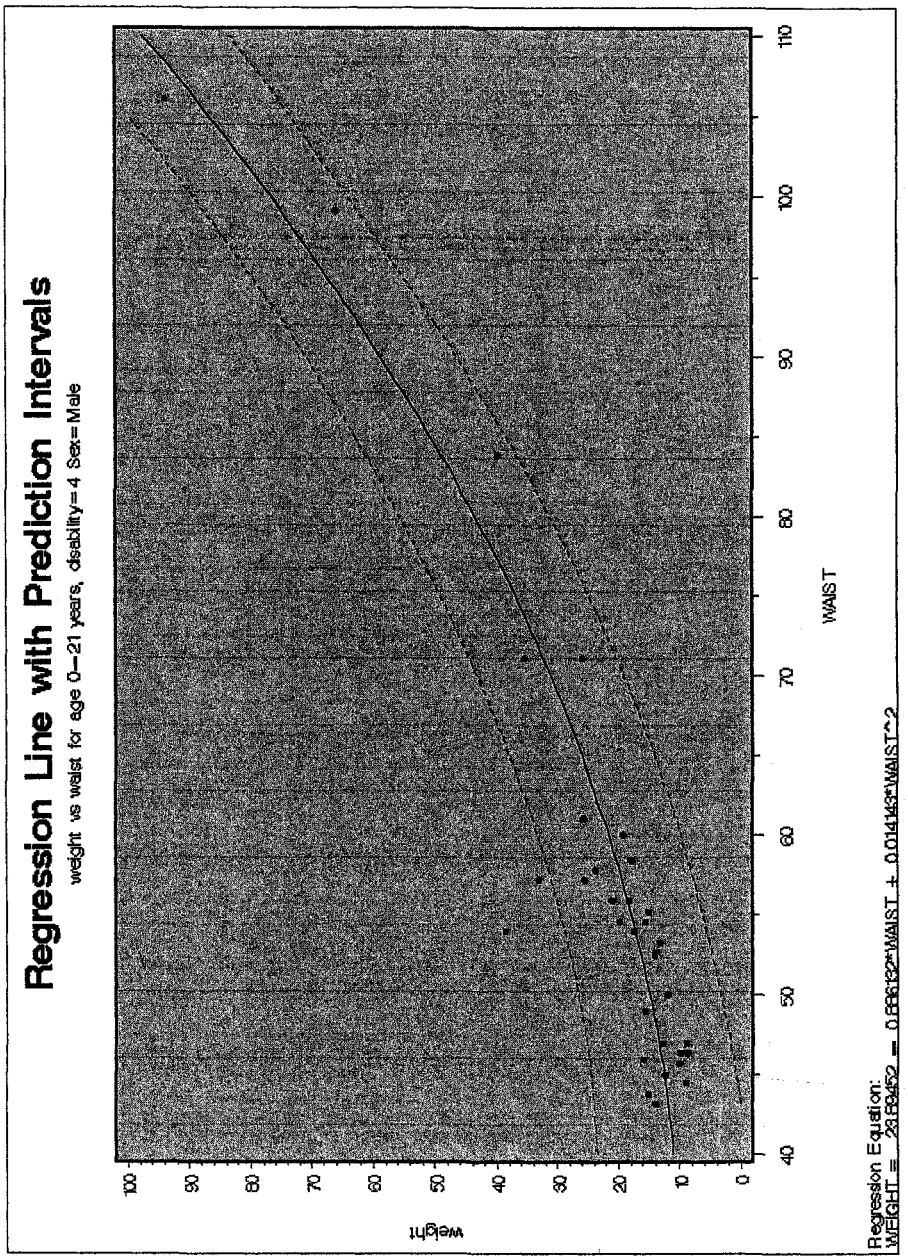
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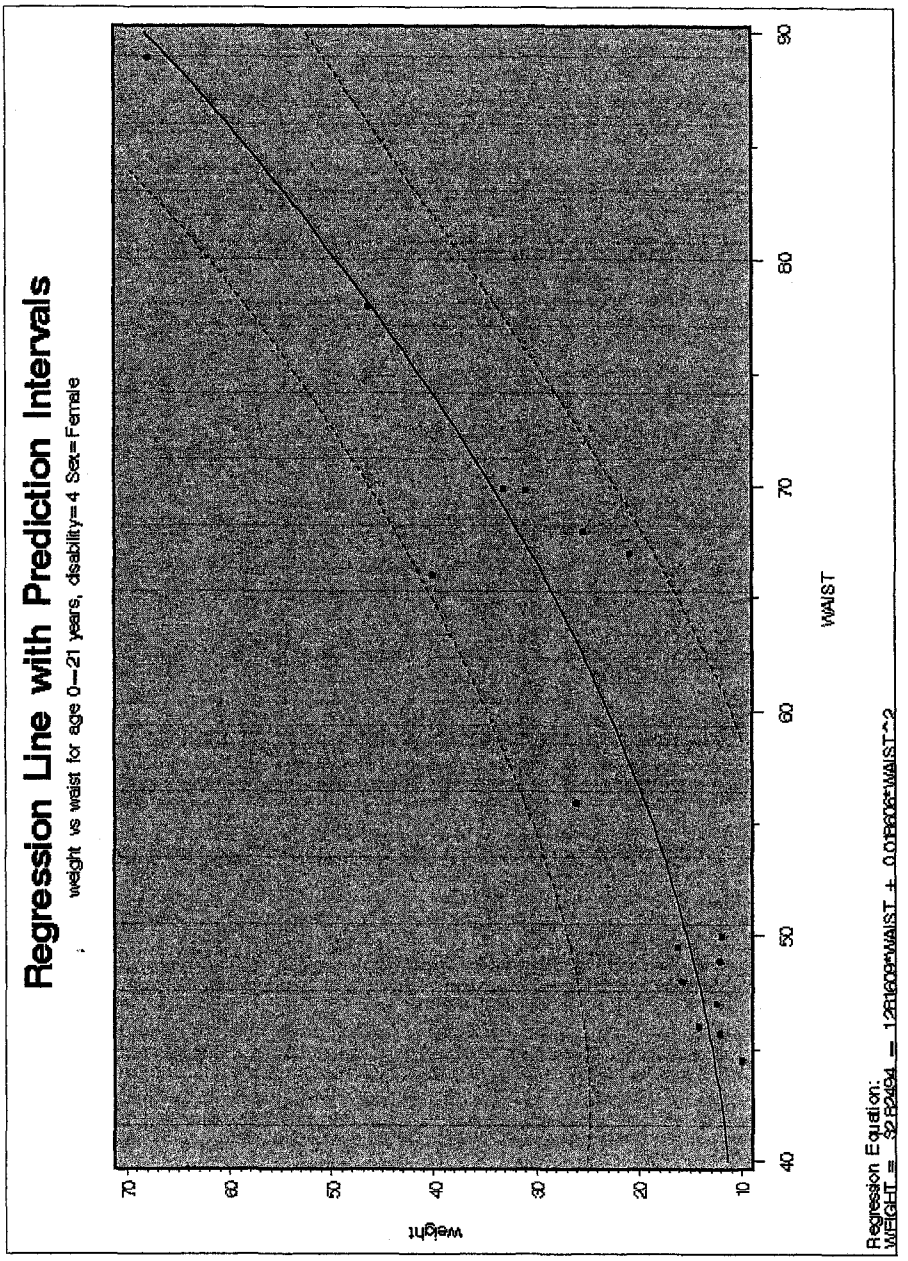
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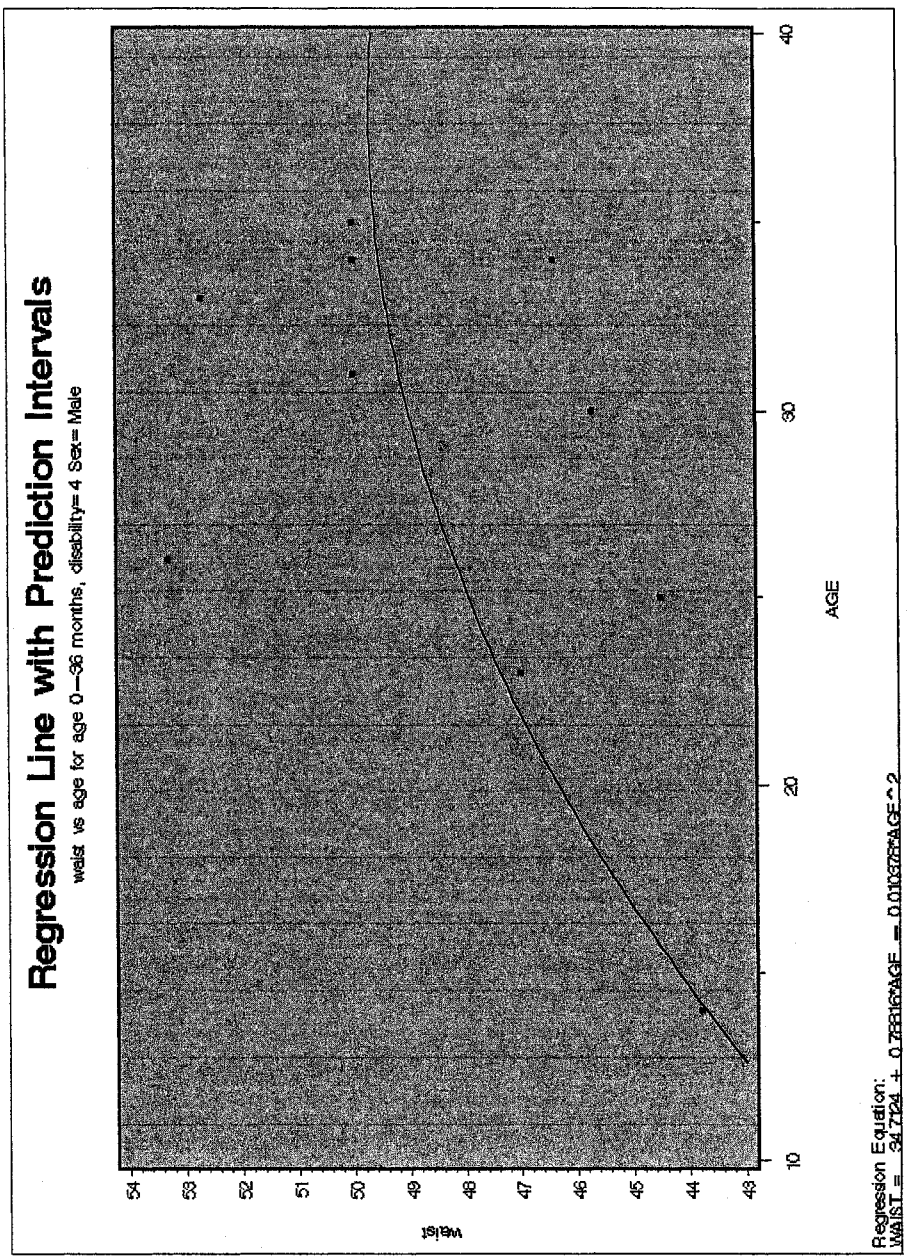
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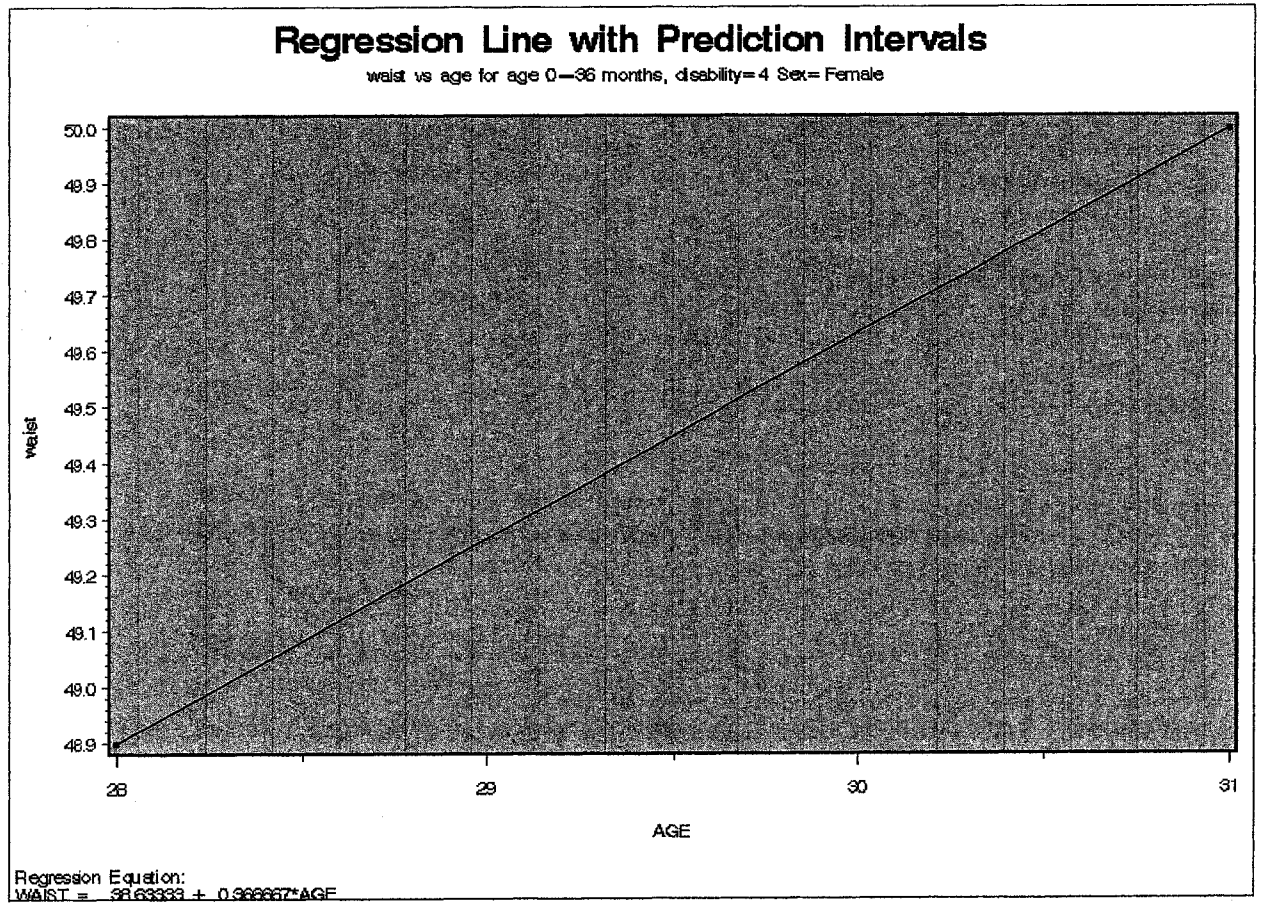


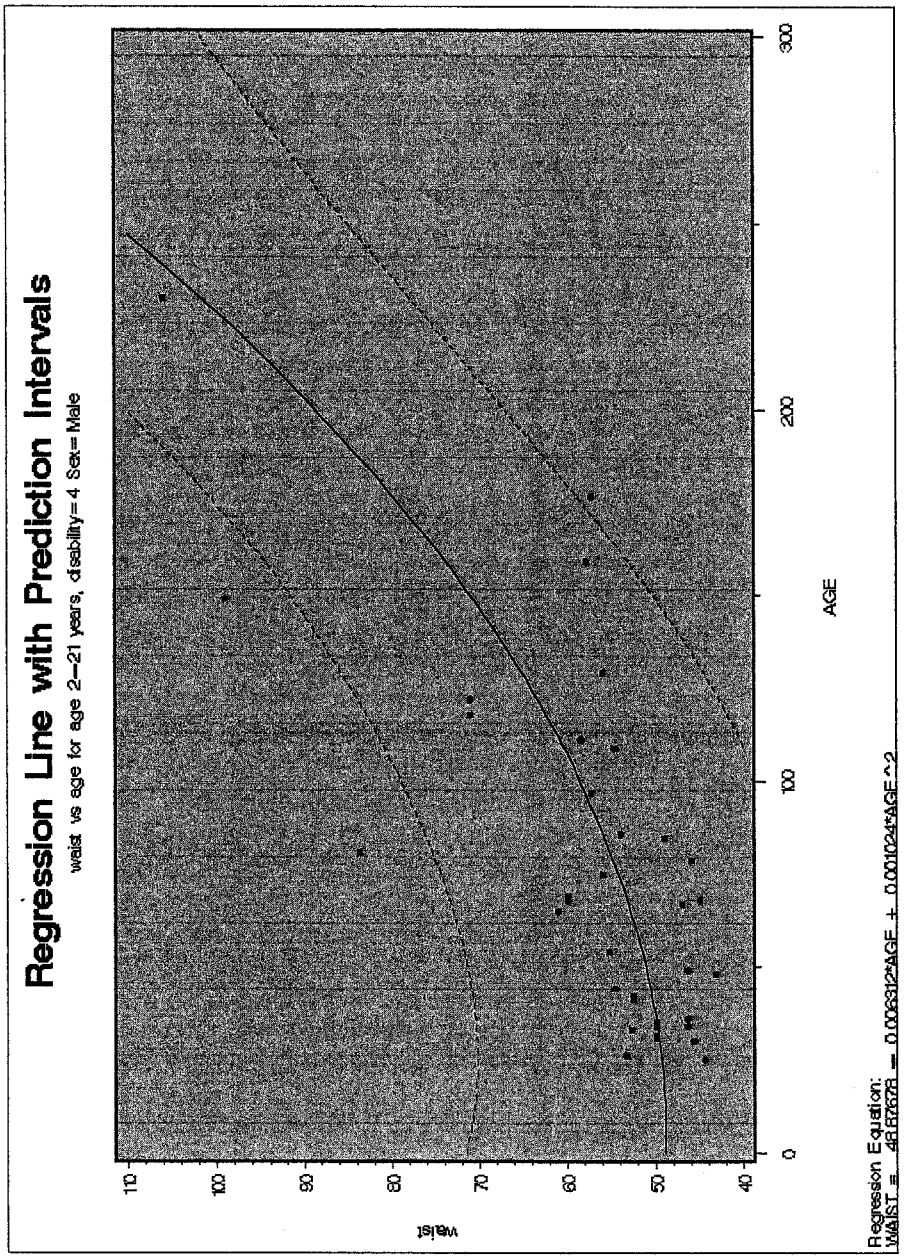
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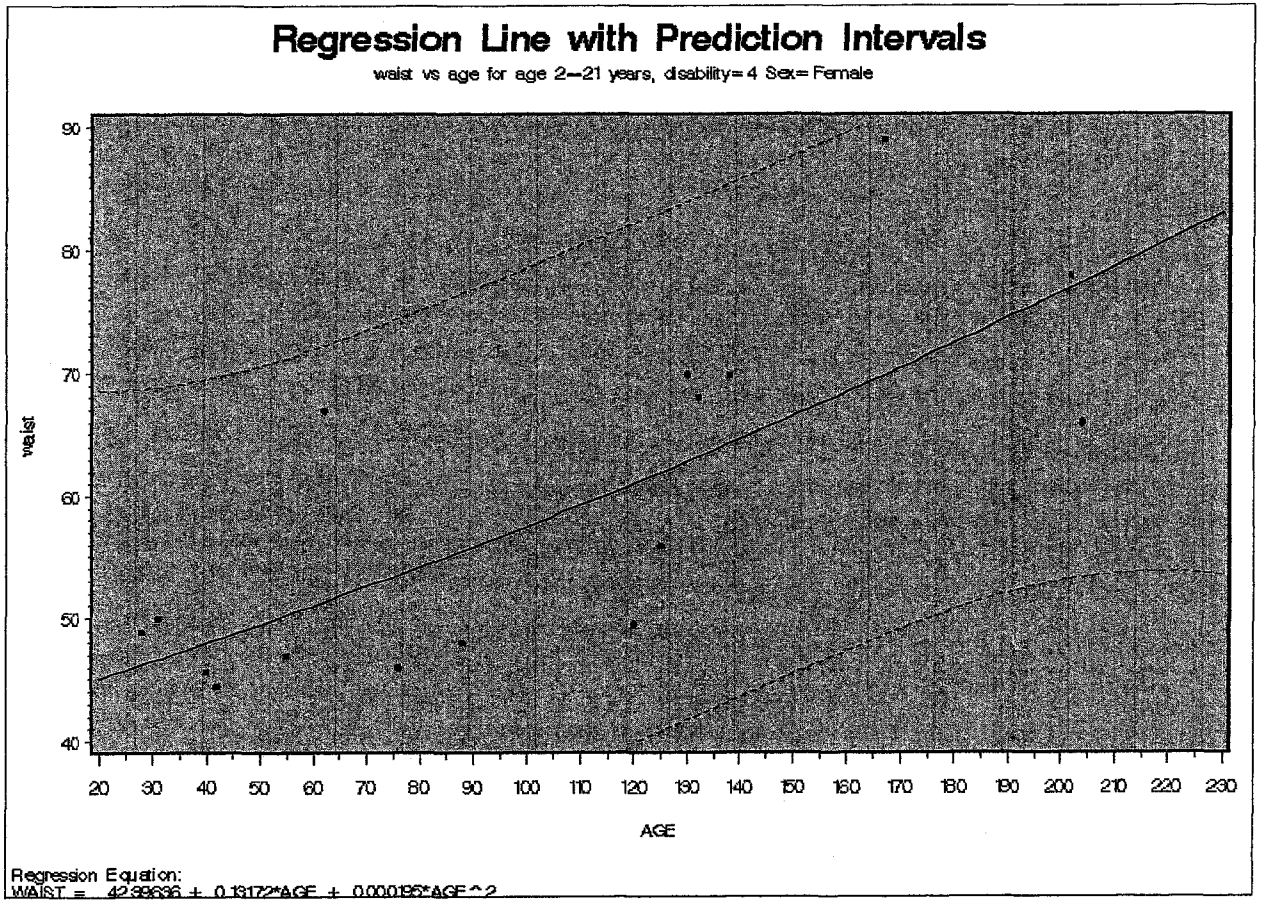
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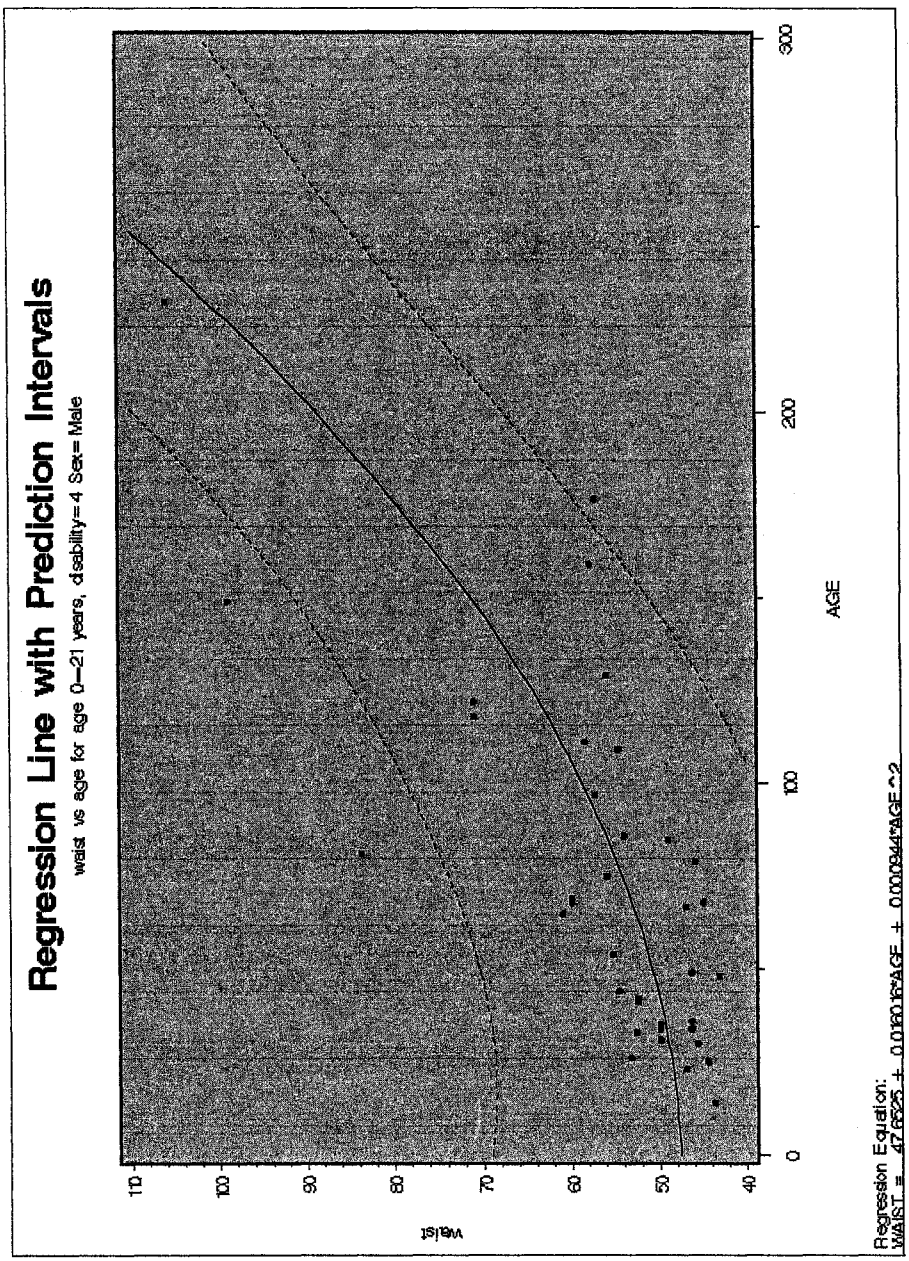




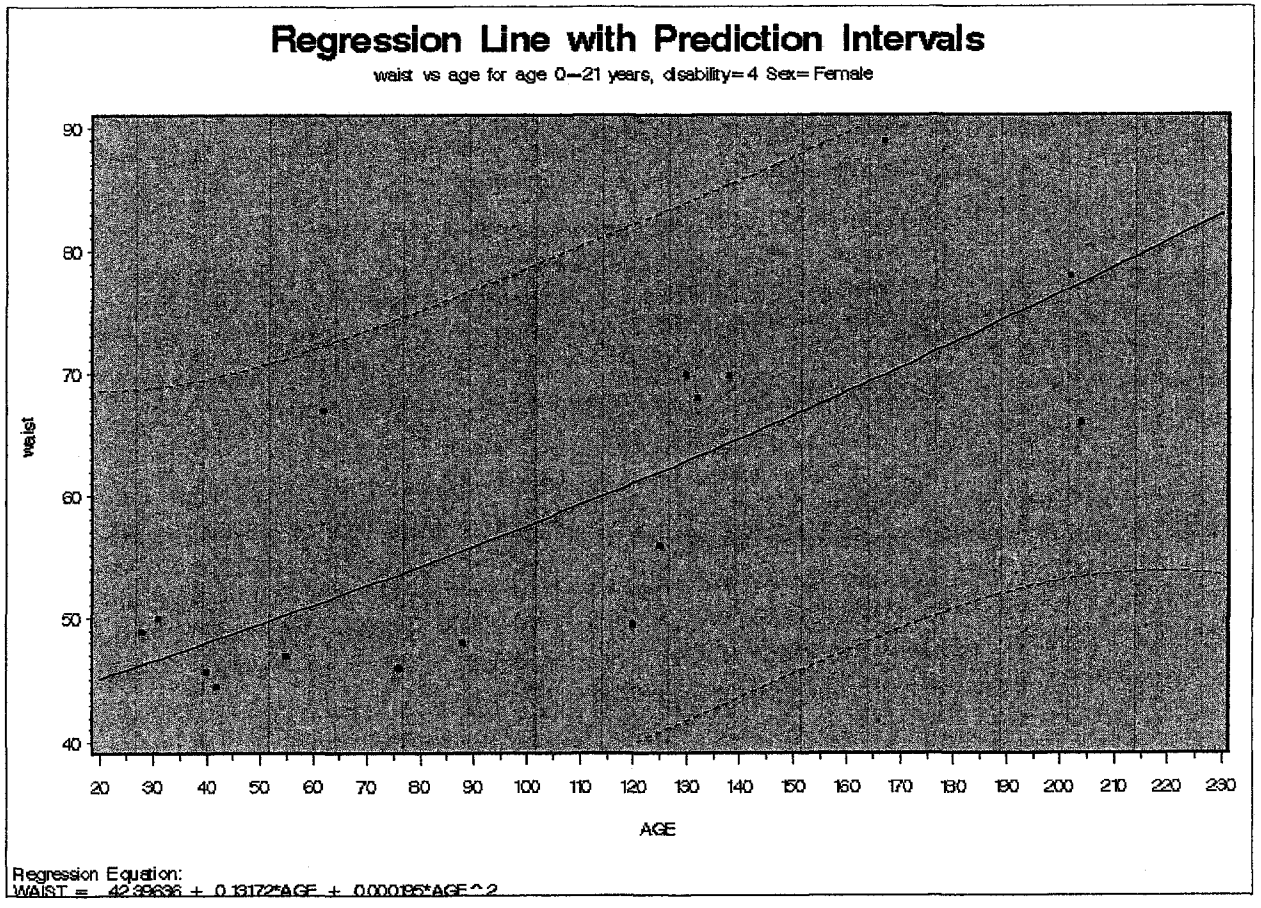
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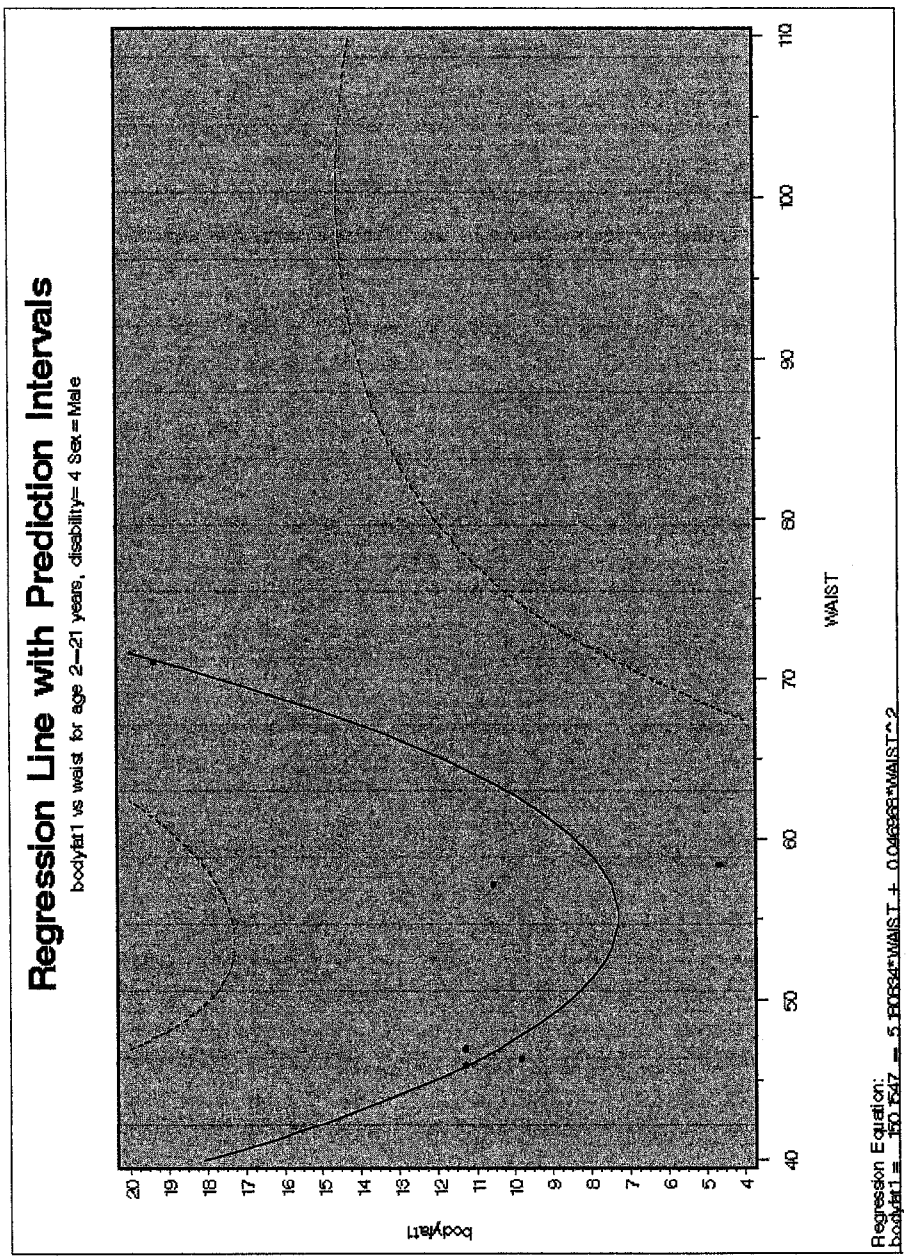
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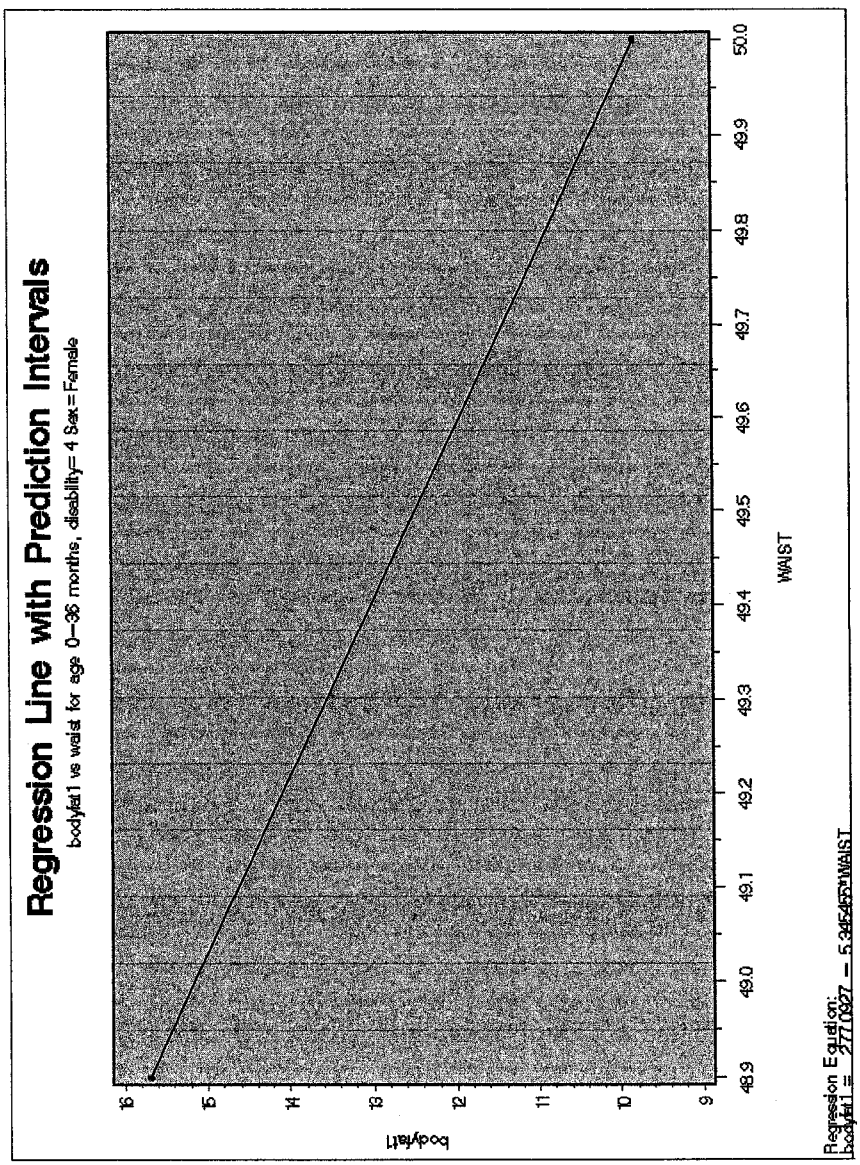
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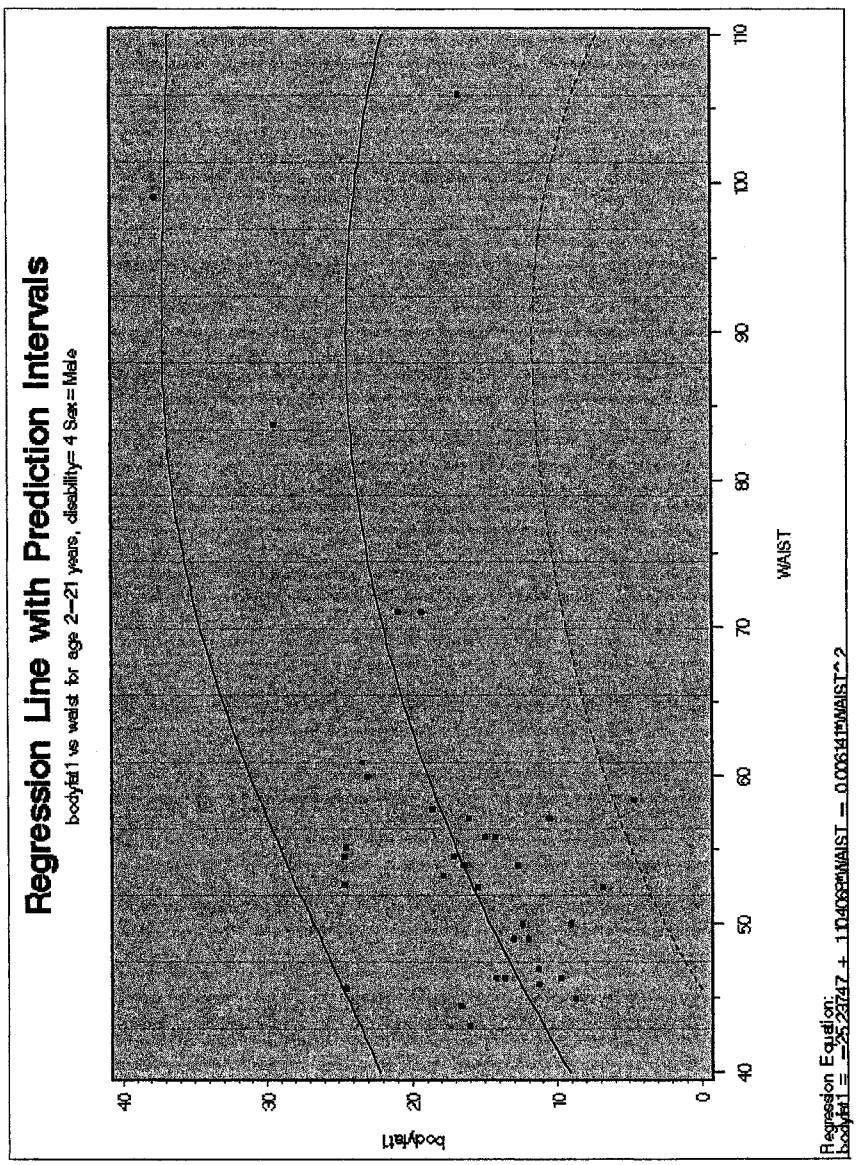
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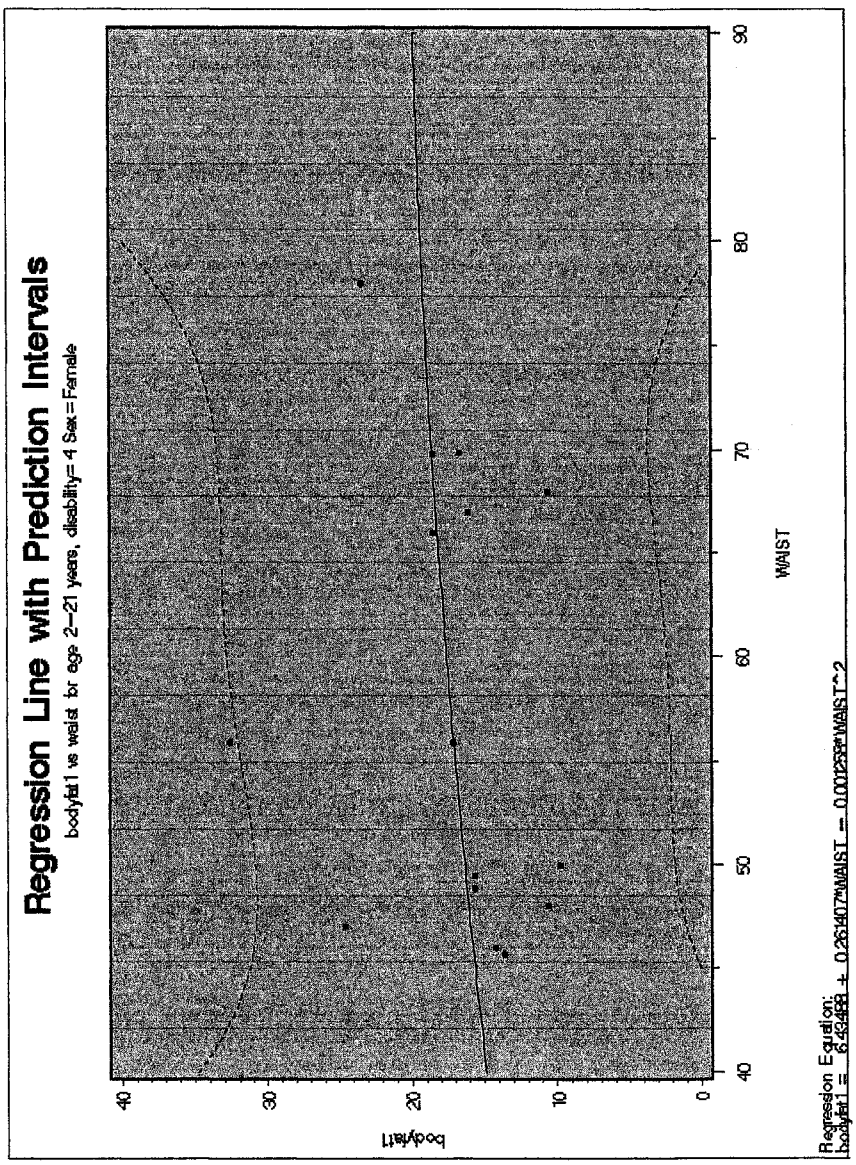
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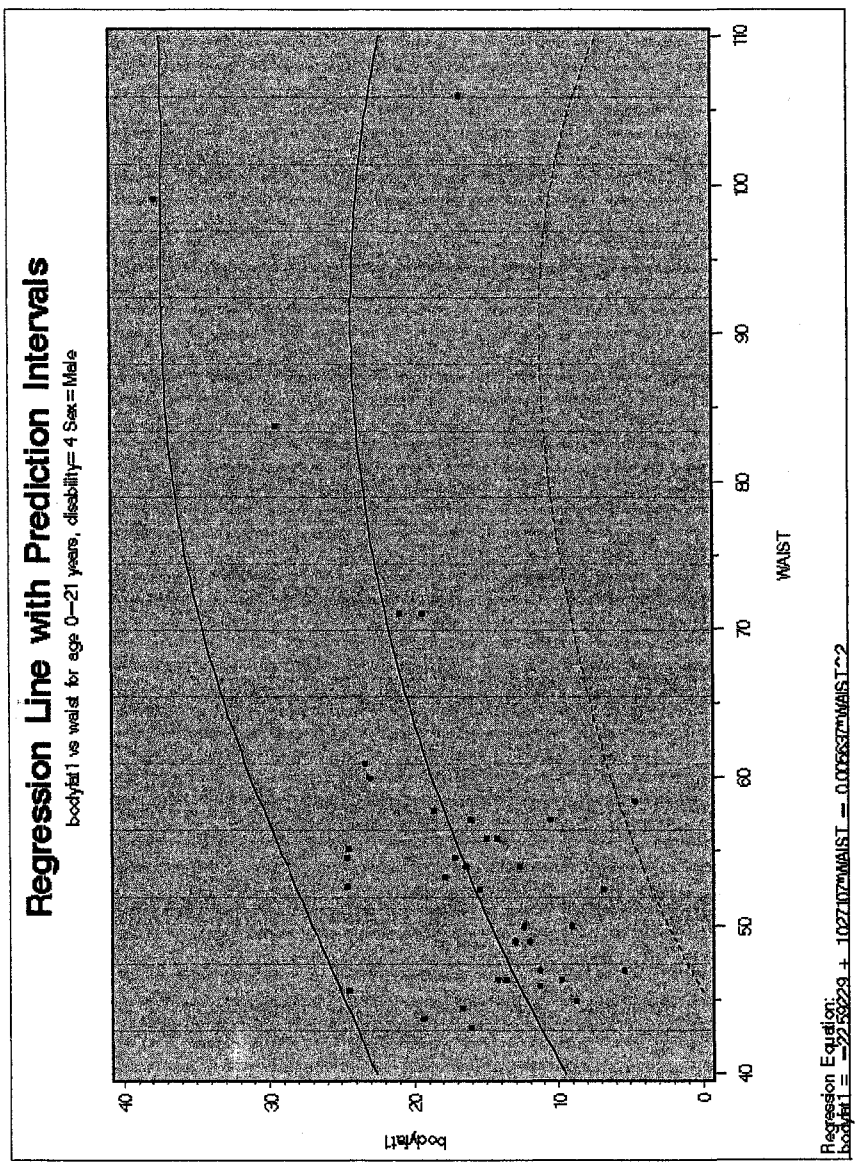
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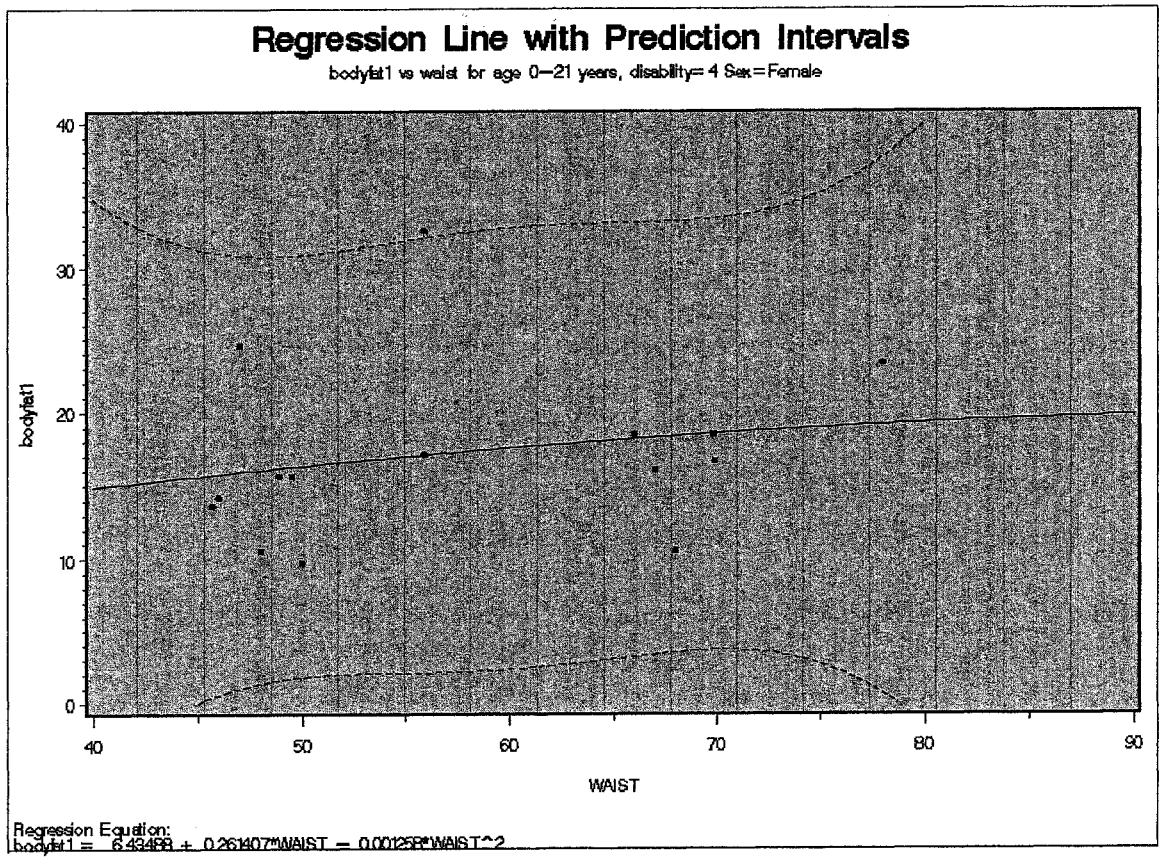
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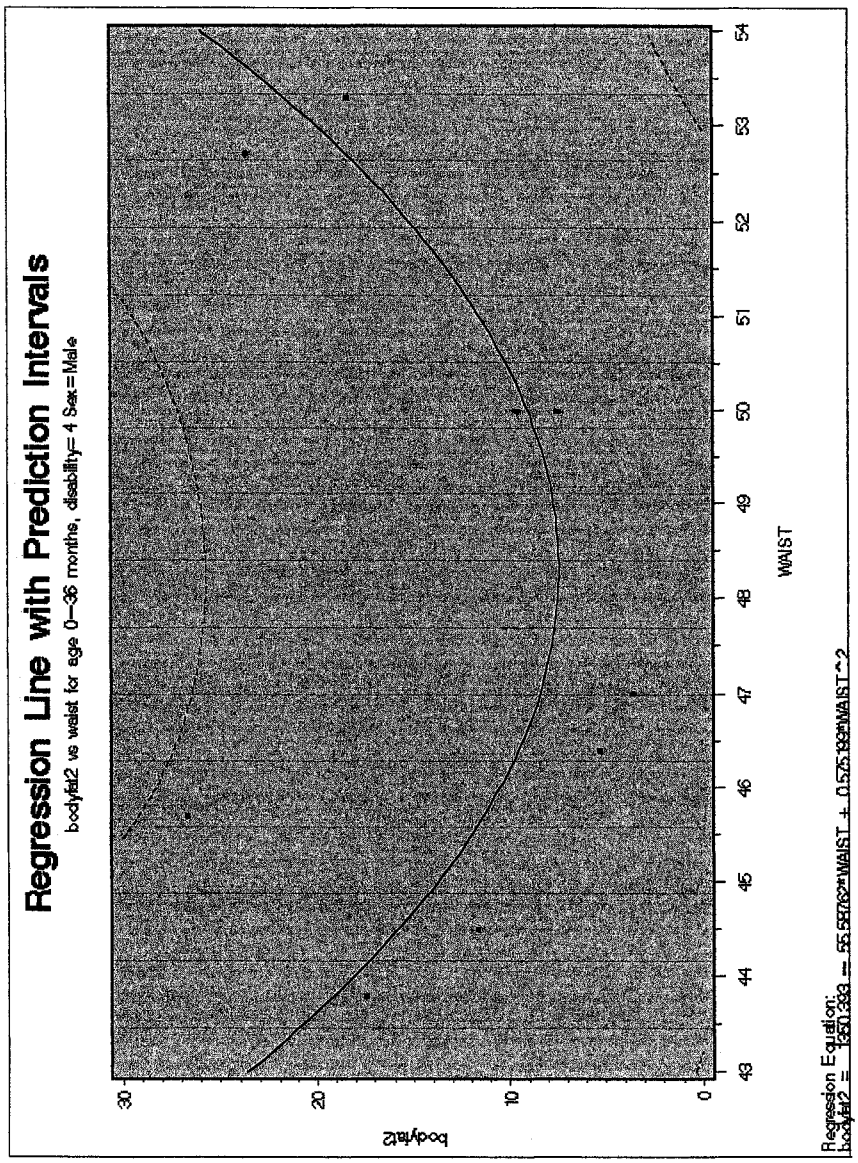
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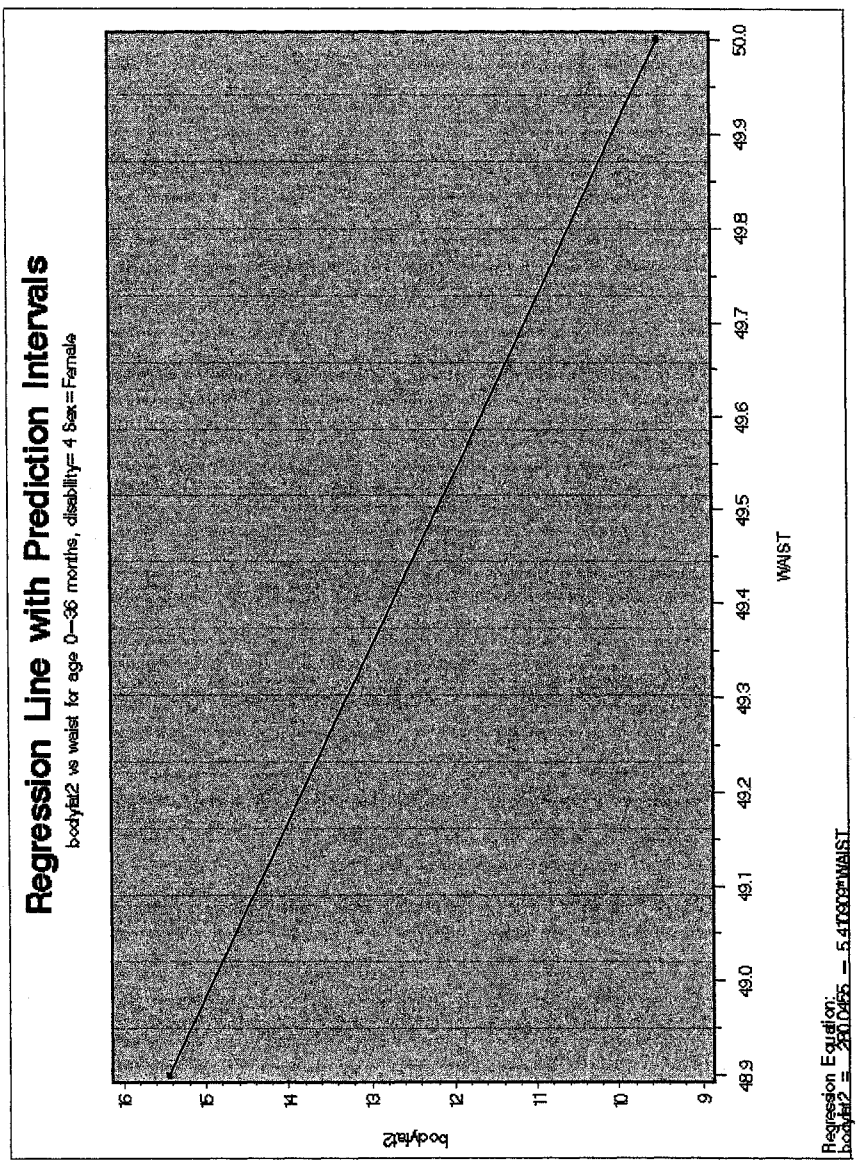
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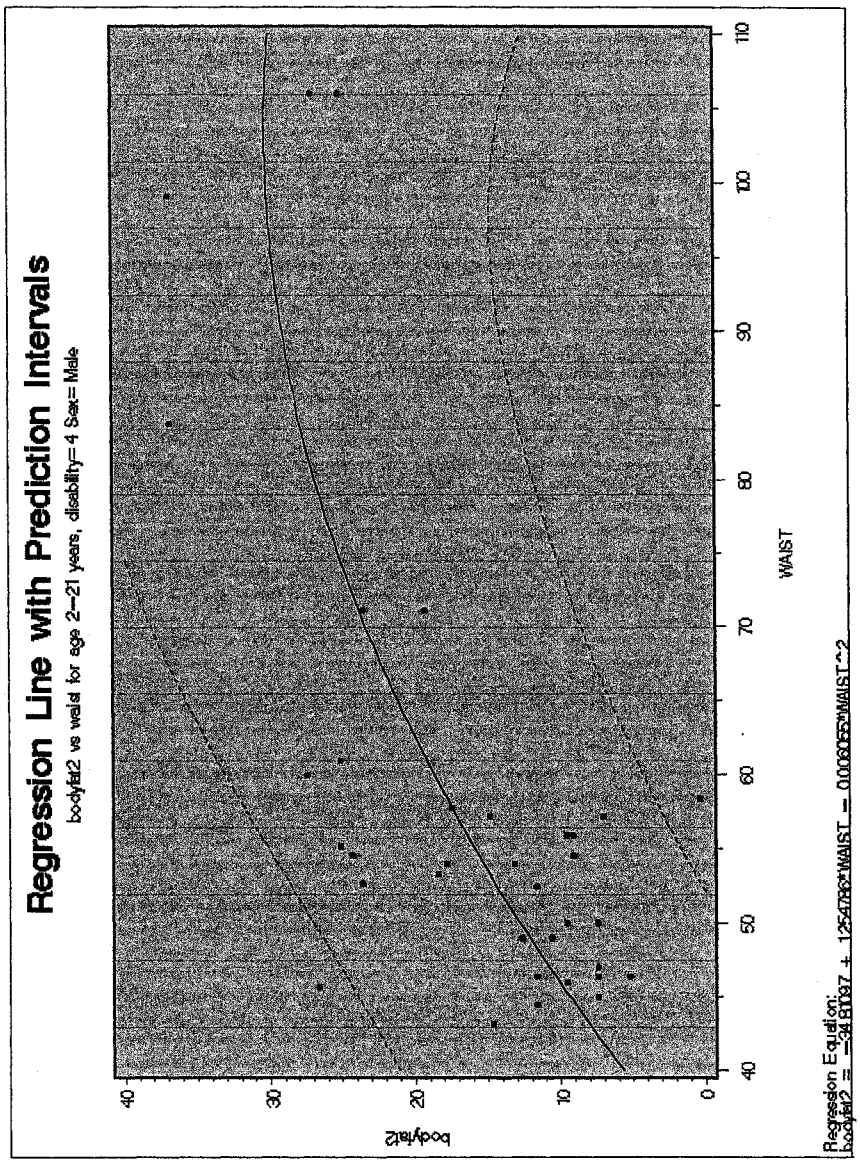
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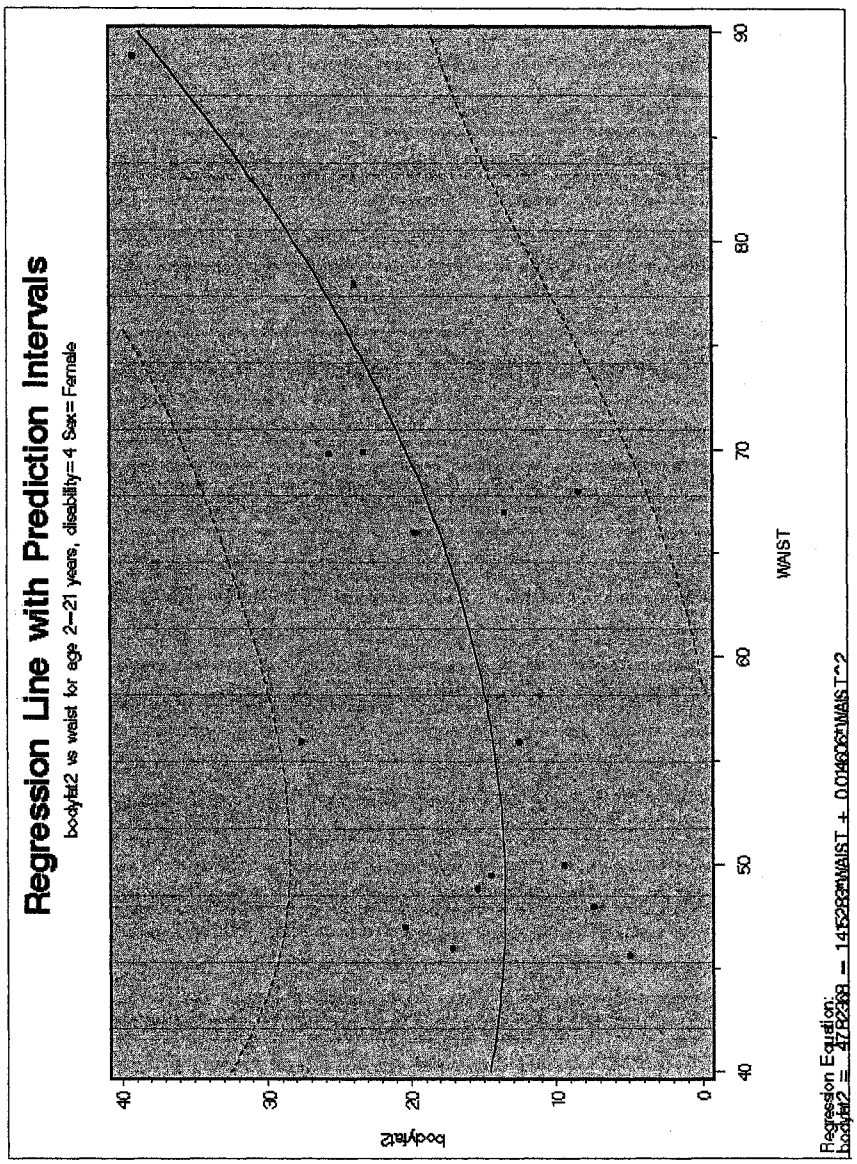
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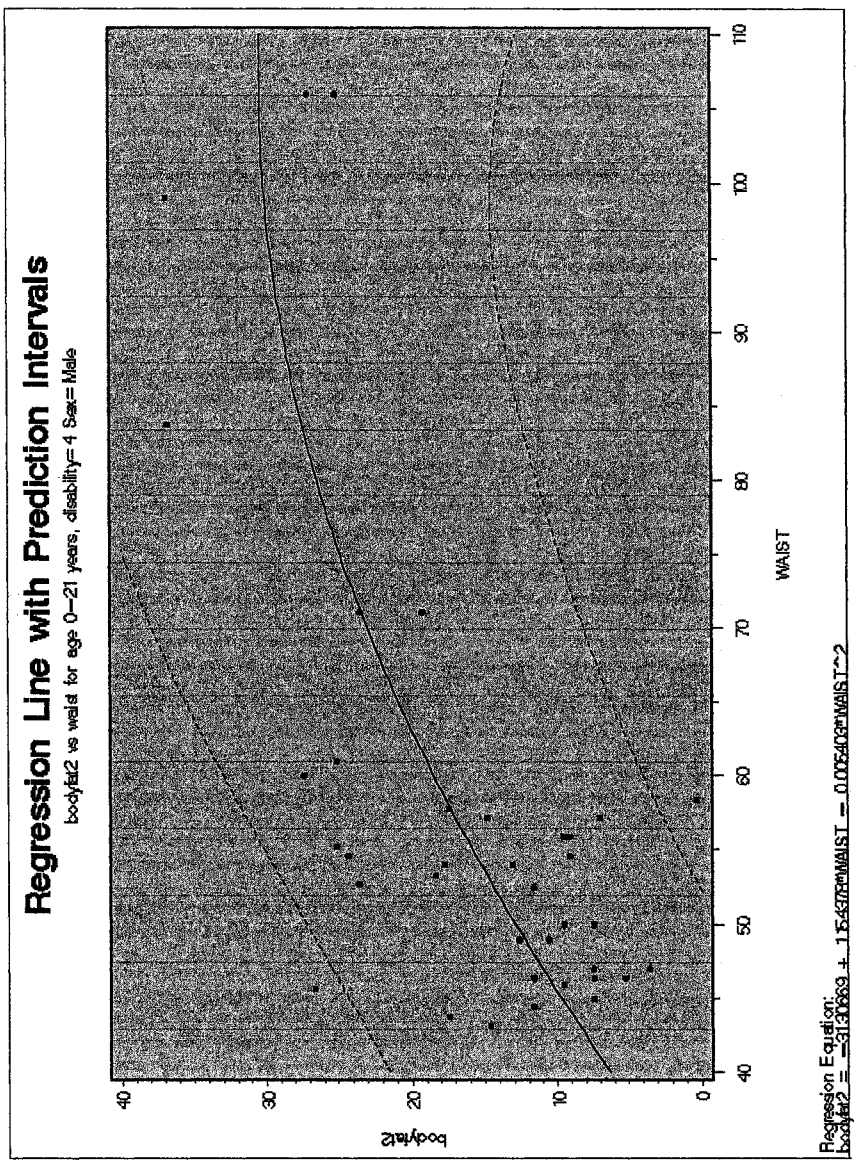
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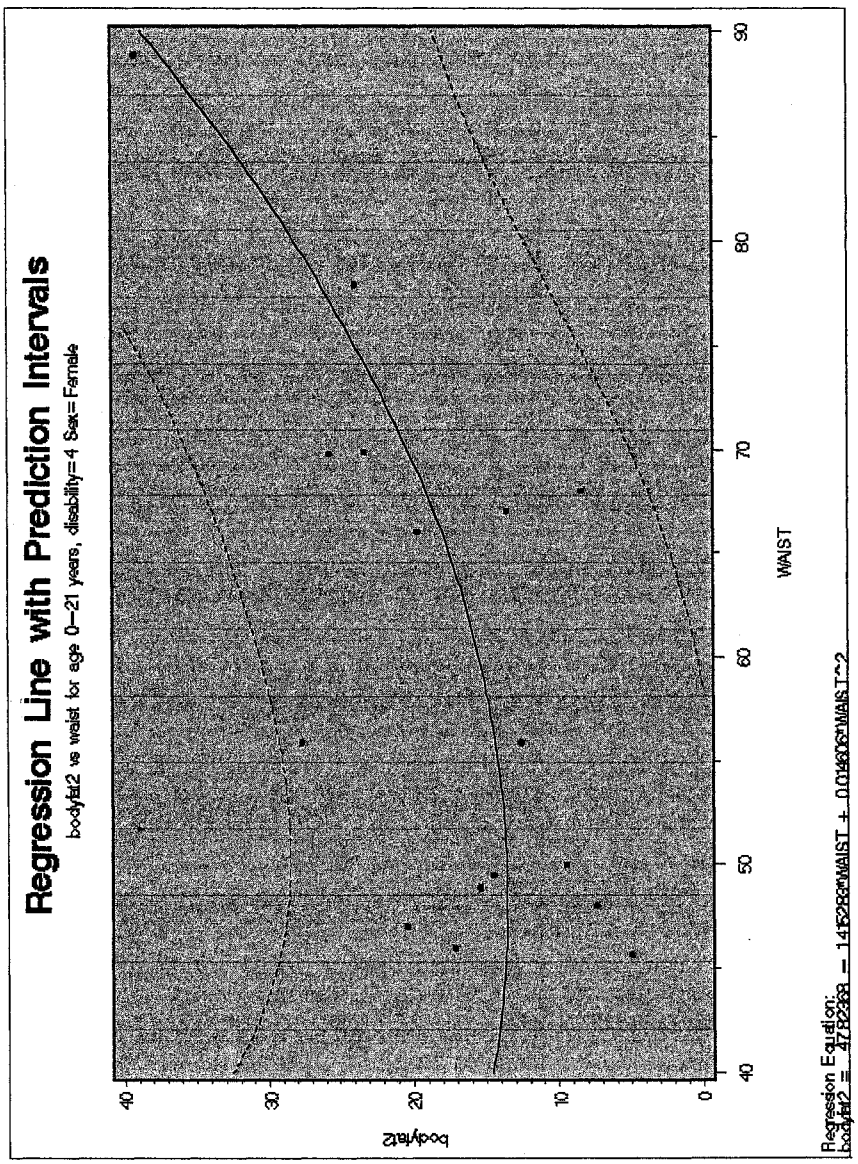
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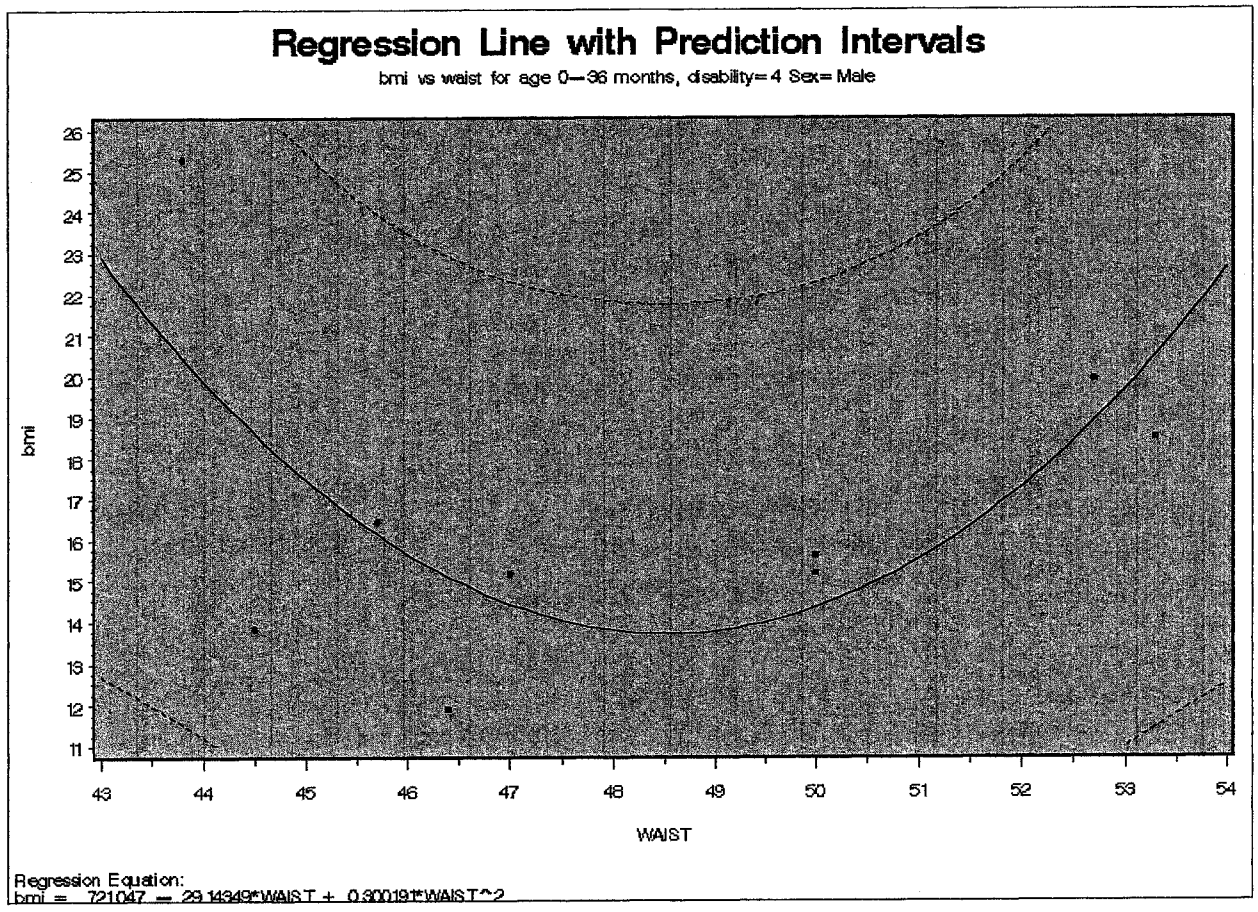


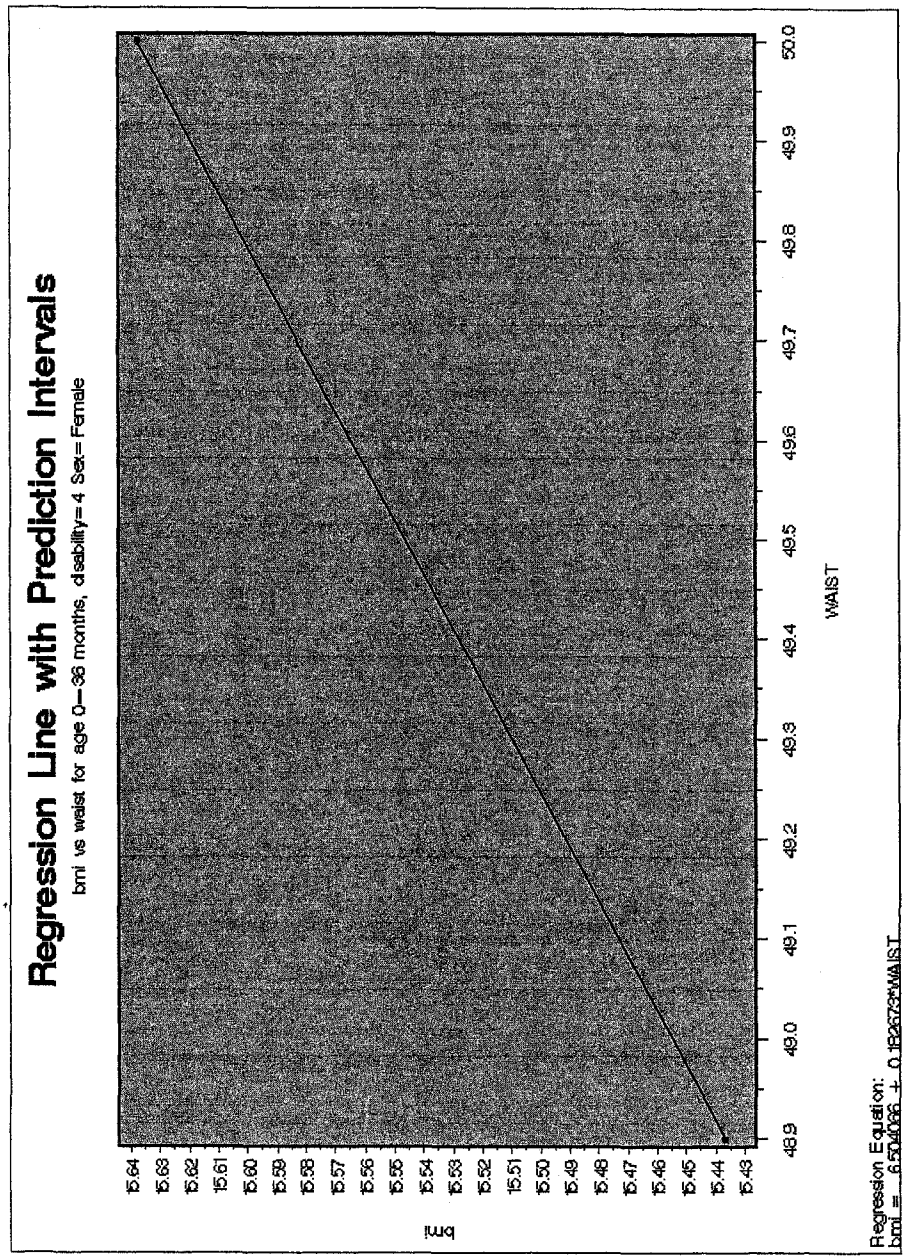
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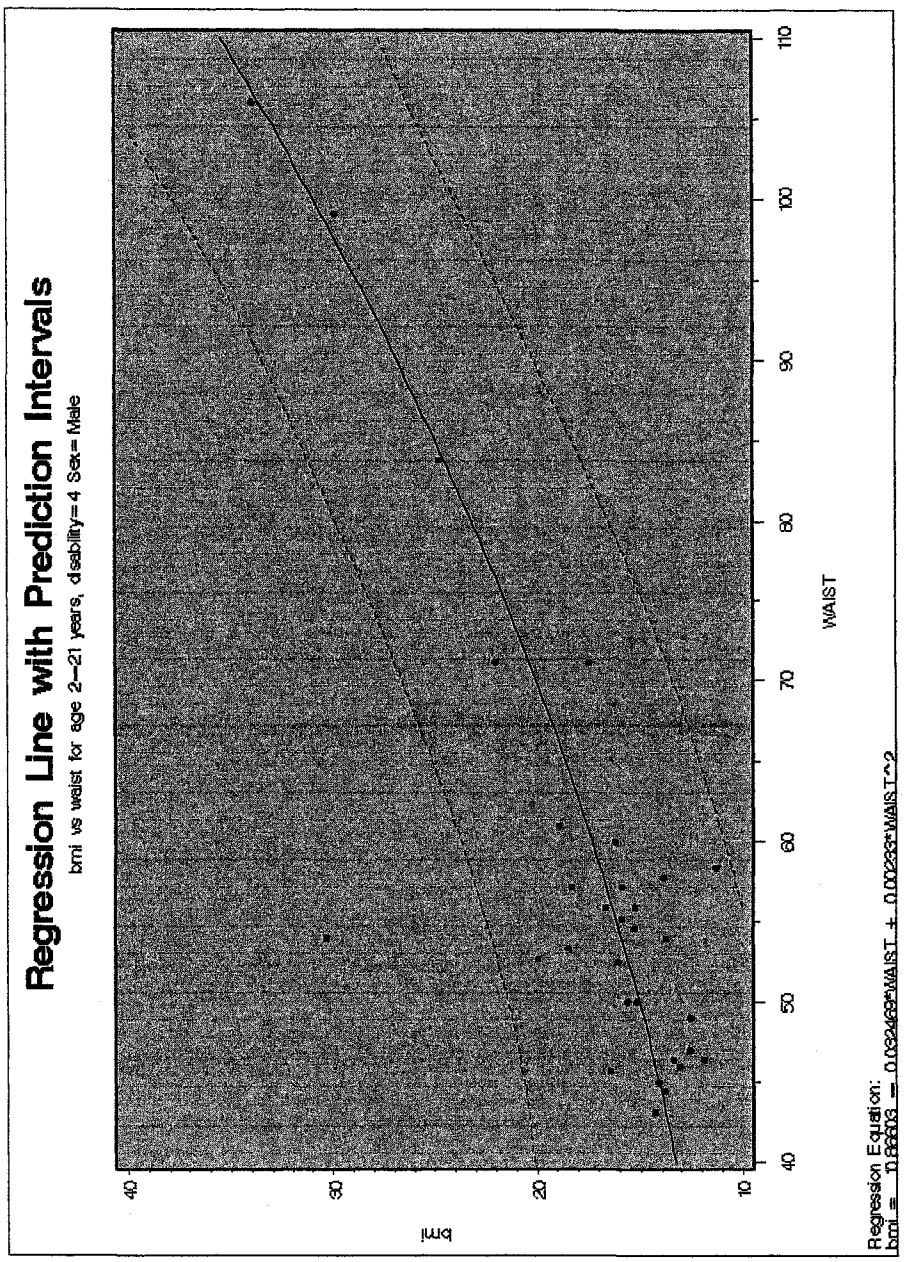
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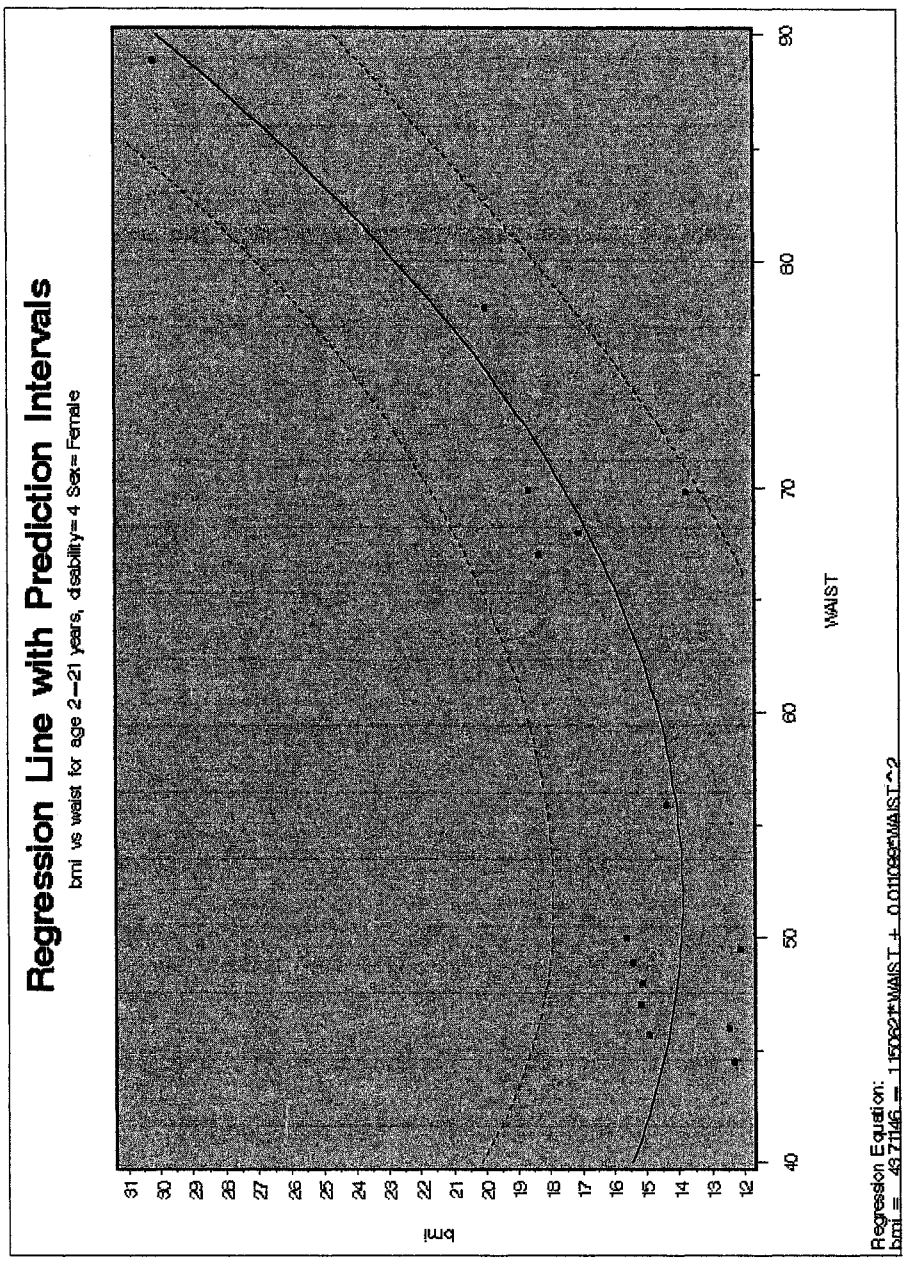




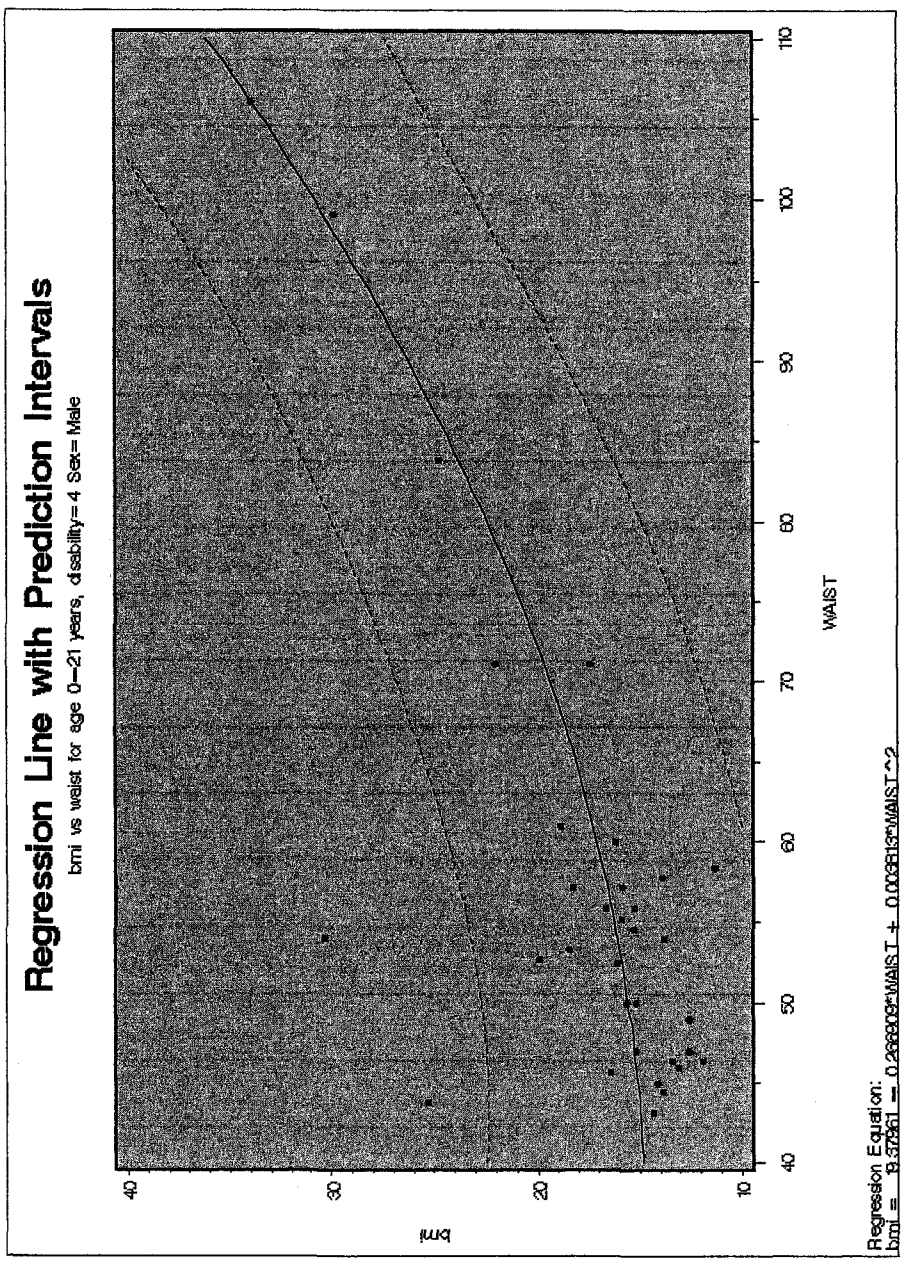
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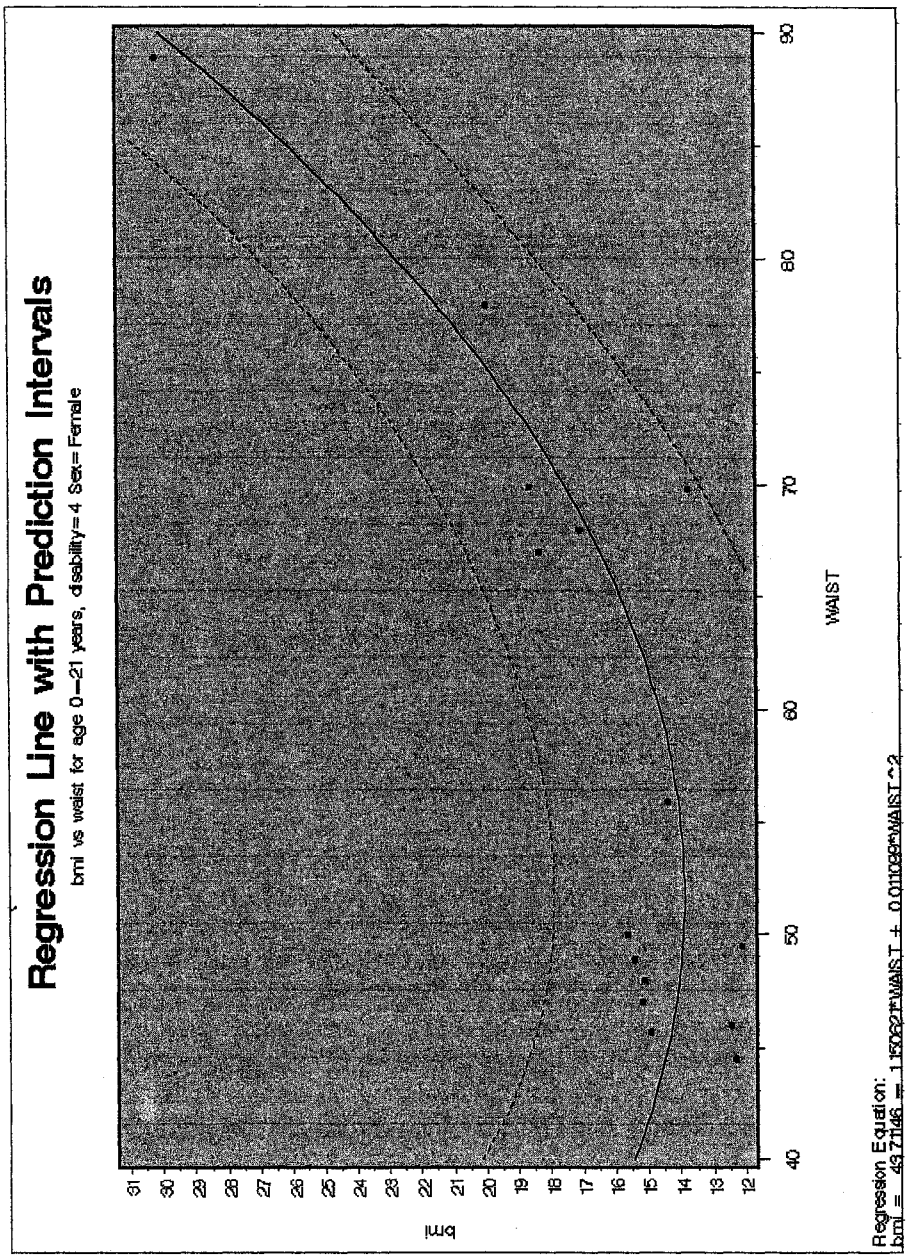
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APPENDIX I

RESTRICTED CUBIC SPLINE GRAPHS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
GENERAL POPULATION

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Note:

1. If only 1st order of RCS is significant, the regression line will be plotted only. If the coefficients of RCS are significant, RCS model will be compared with 1st order linear regression model on the plot to check the difference between the two.
2. For the RCS model, the spline function with K knots $t_1, t_2, \ldots t_k$

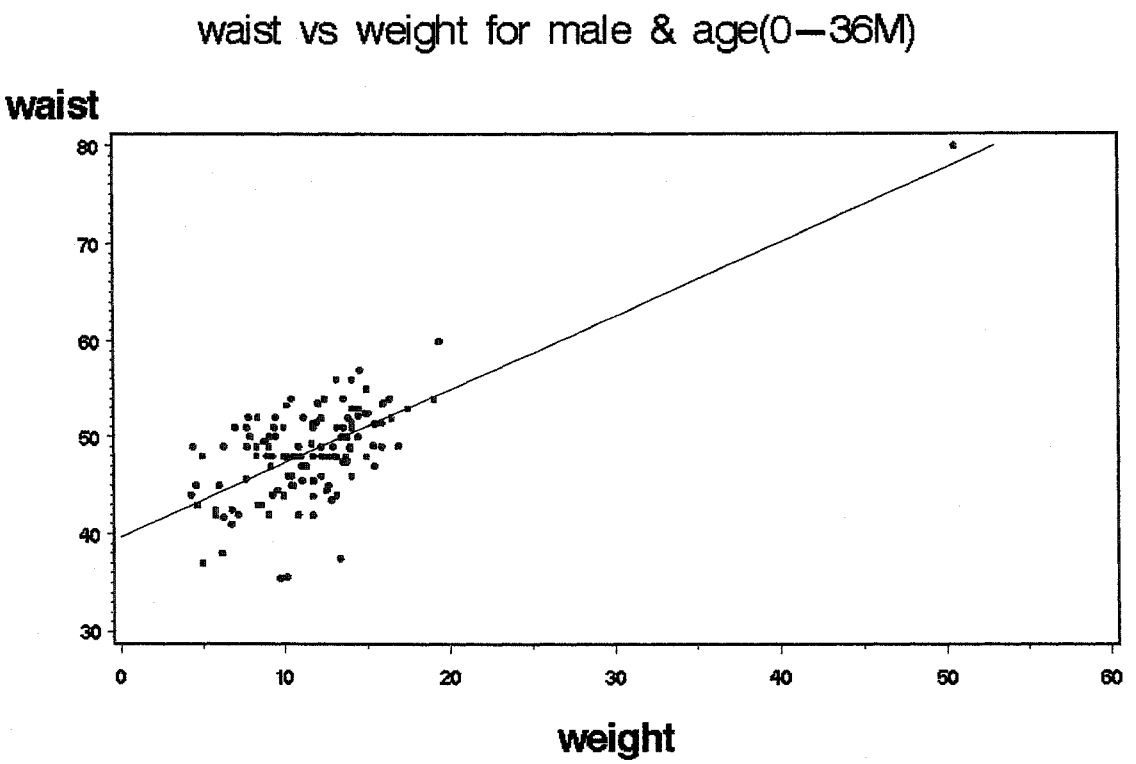
$f(X) = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \ldots + \beta_{k-1} X_{k-1}$

Where $X_1 = X$ *and for* $j = 1, \ldots, k-2$

$X_{j+1} = (X - t_j)^3_+ - (X - t_{k-1})^3_+ (t_k - t_j)/(t_k - t_{k-1}) + (X - t_k)^3 (t_{k-1} - t_j)/(t_k - t_{k-1})$

3. Waist (Waist Circumference) vs Weight

   a. Waist vs weight for 0-36 months males.



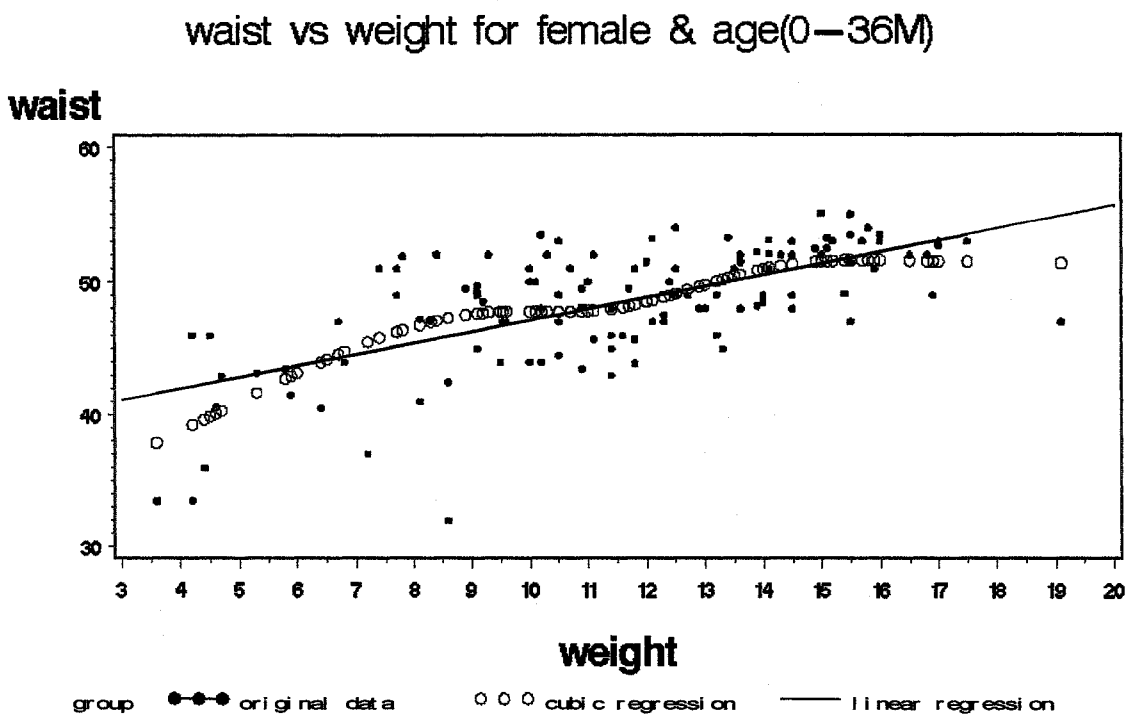
The estimated 1st order linear regression model:

waist=39.63536+0.76265*weight

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(There are a lot of missing values in this dataset and that is the reason why the regression line is so long. More predicted values than original data.)

b. Waist vs Weight for 0-36 months females.



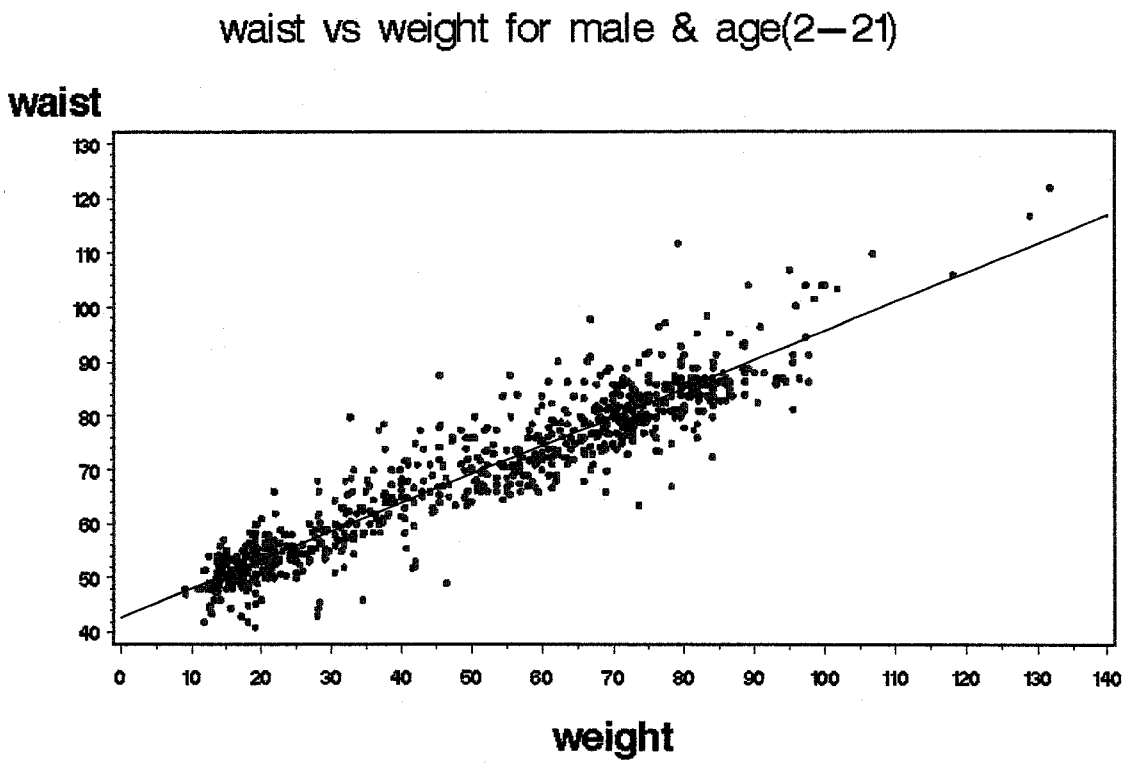
The estimated 1st order linear regression model:
waist=38.61232+0.85106*weight

The estimated RCS model:
waist=29.83627+2.24073*X1-0.03023*X2+0.18305*X3-0.27874*X4

(5 knots: t1=4.7; t2=9.2; t3=11.4; t4= 13.9; t5=16.5)

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c. Waist vs Weight for males 2-21 years

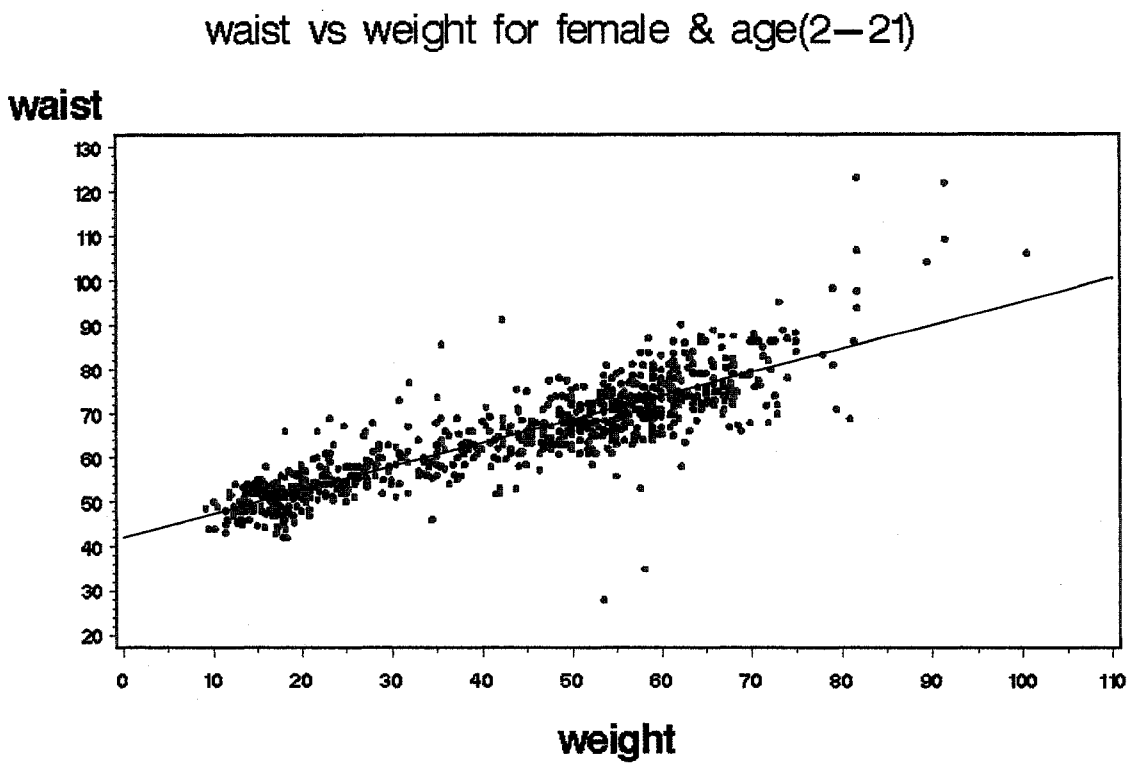


The estimated 1st order linear regression model:

waist=42.77475+0.52927*weight

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d. Waist vs Weight for females 2-21 years

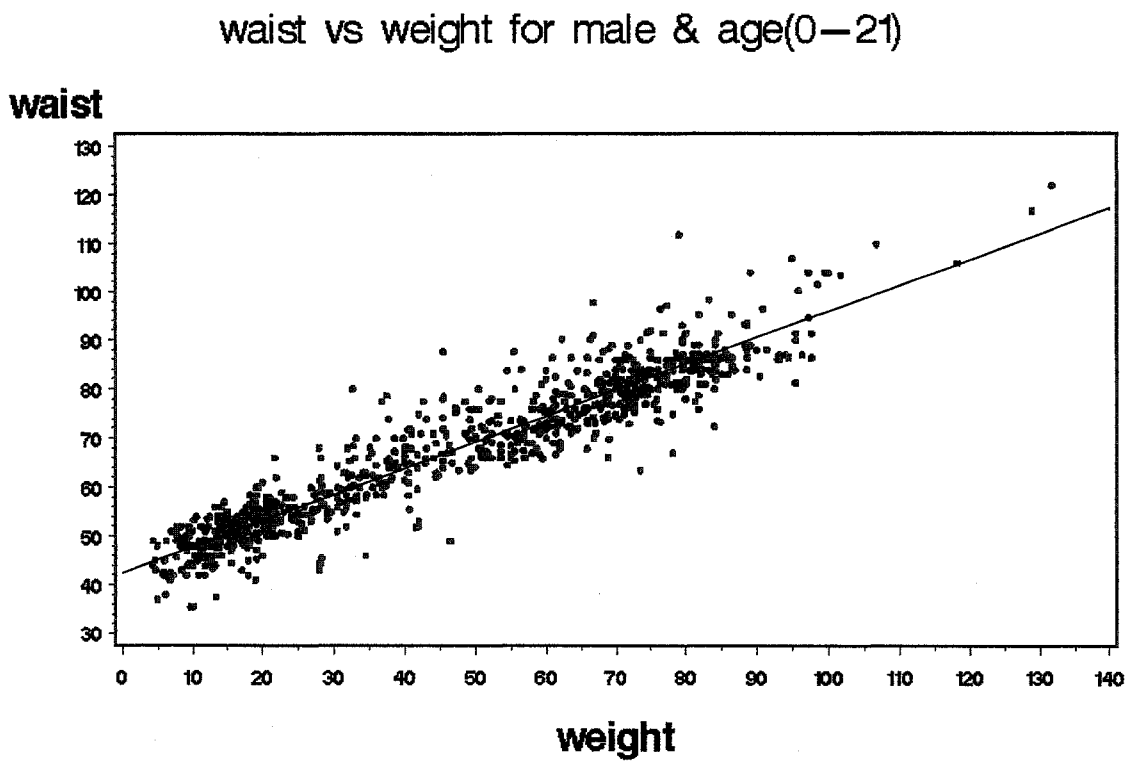


The estimated 1st order linear regression model:

waist=41.91164+0.53463*weight

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e. Waist vs Weight for males 0-21 years



The estimated 1st order linear regression model:

waist=42.50264+0.53337*weight

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f. Waist vs Weight for females 0-21 years



The estimated 1st order linear regression model:
waist=41.89610+0.53510*weight

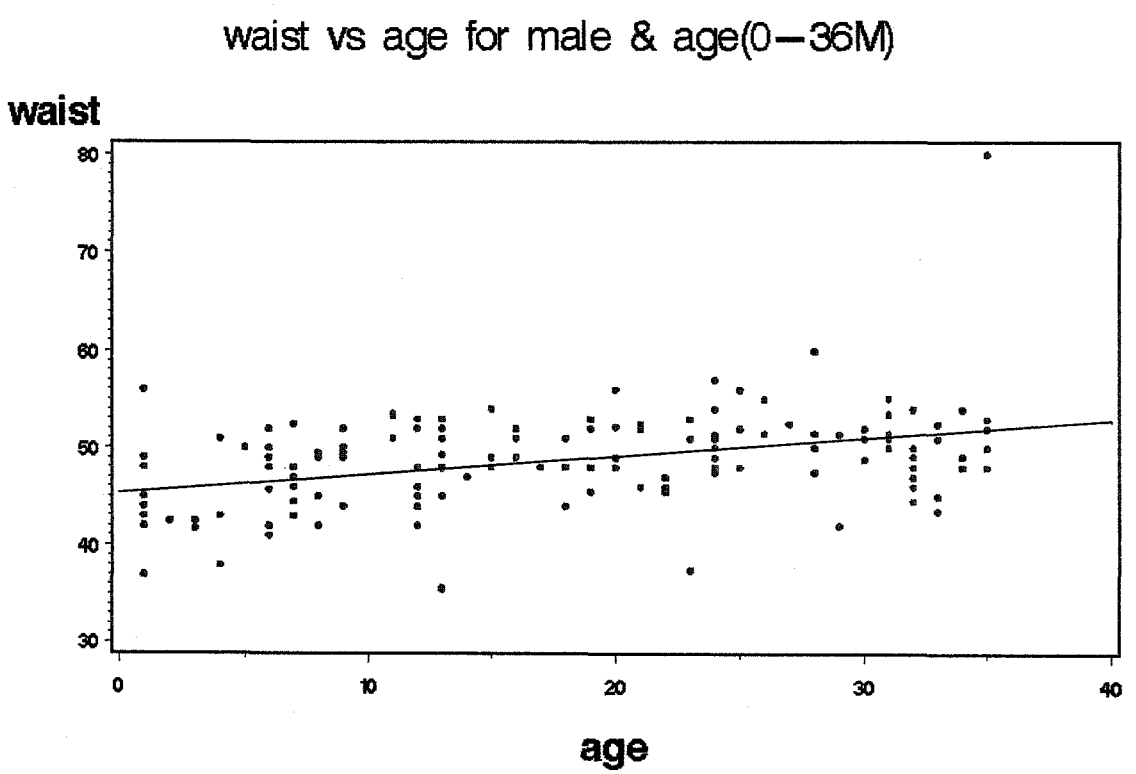
The estimated RCS model:
waist=39.84810+0.69344*X1-0.00020637*X20.00051250*X3

(4 knots: t1=10.25; t2=27.5; t3=54.5; t4=70.5)

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4. Waist vs Age

   a. Waist vs Age for males 0-36 months

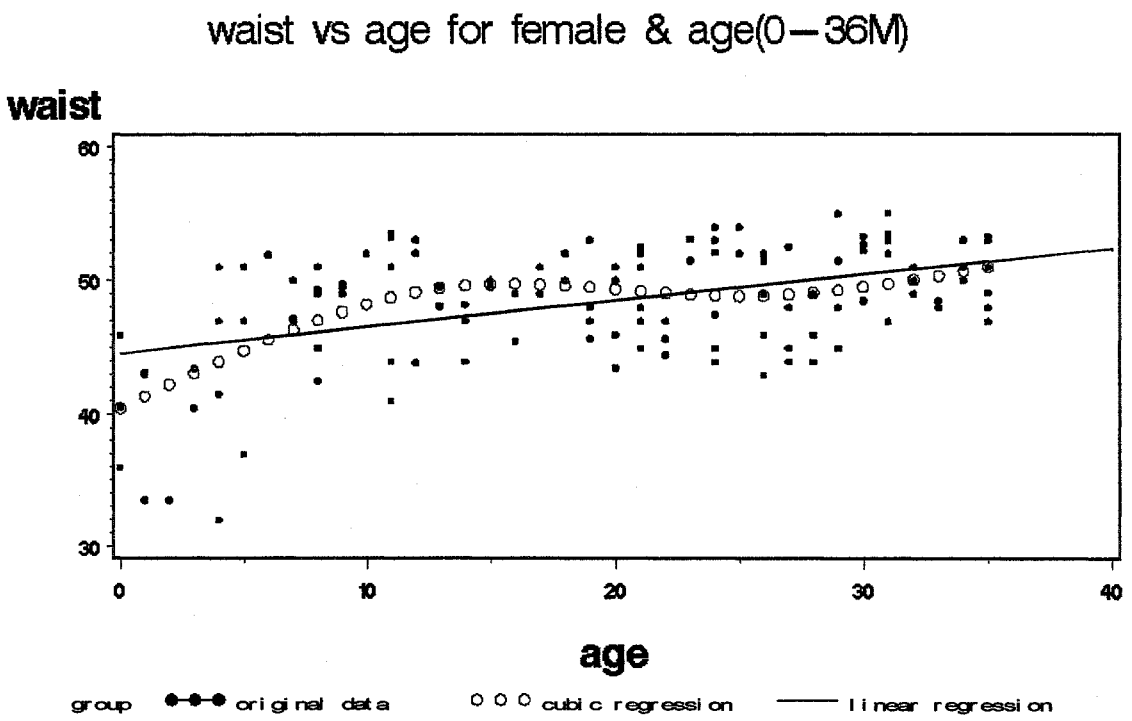


The estimated 1st order linear regression model:

waist=45.30331+0.19022*age

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b. Waist vs Age for females 0-36 months



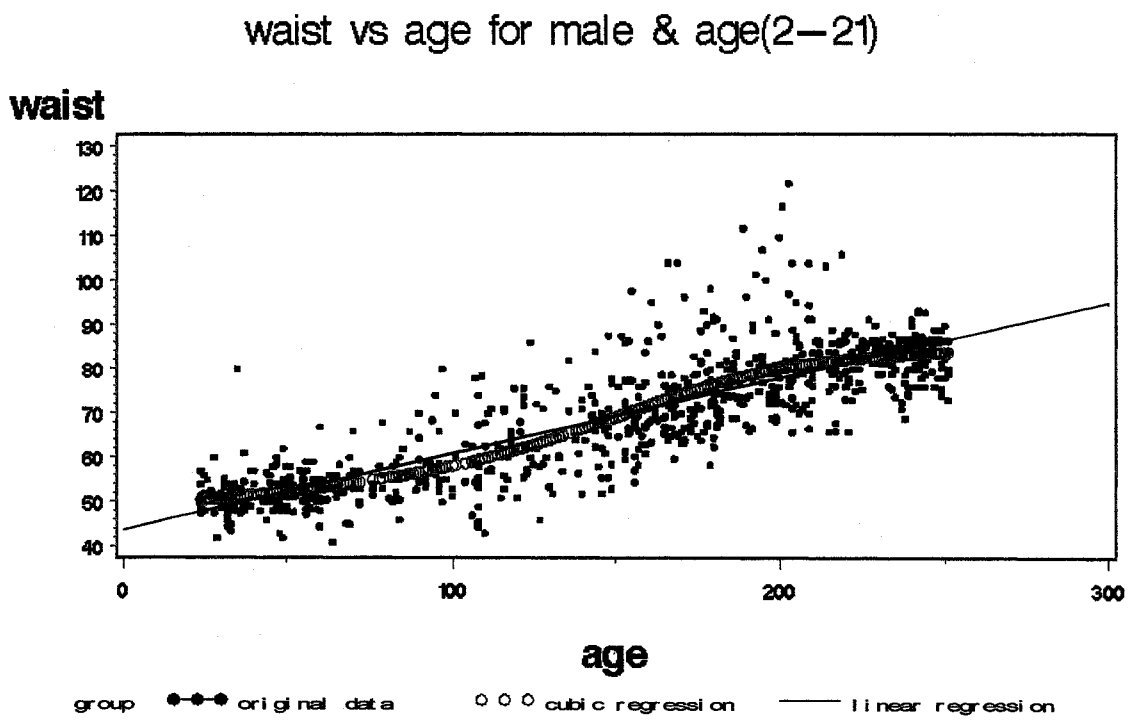
The estimated 1st order linear regression model:
waist=44.60480+0.19449*age

The estimated RCS model:
waist=40.48798+0.88452*X1-0.00148*X2+0.00387*X3

(4 knots: t1=1; t2=13; t3=25; t4=35)

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c. Waist vs Age for males 2-21 years



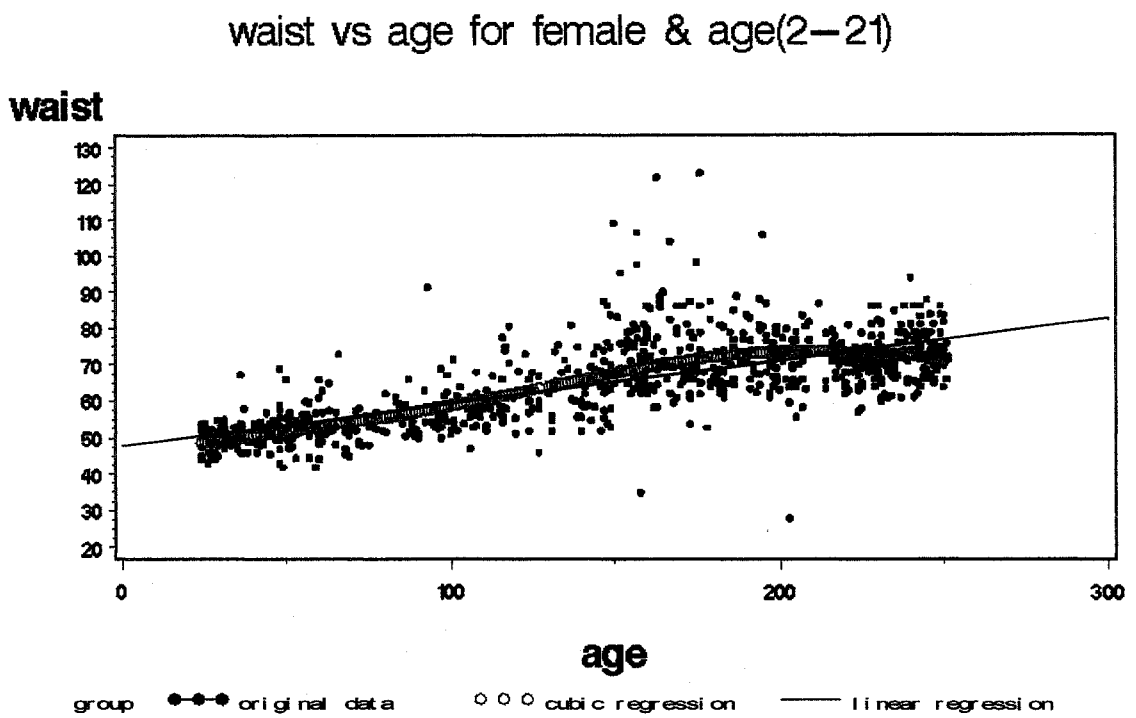
The estimated 1st order linear regression model:
waist=43.76144+0.17094*age

The estimated RCS model:
waist=48.50011+0.07875*X1+0.00000589*X2-0.00002348*X3

(4 knots: t1=33; t2=121; t3=194; t4=244)

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d. Waist vs Age for females 2-21 years



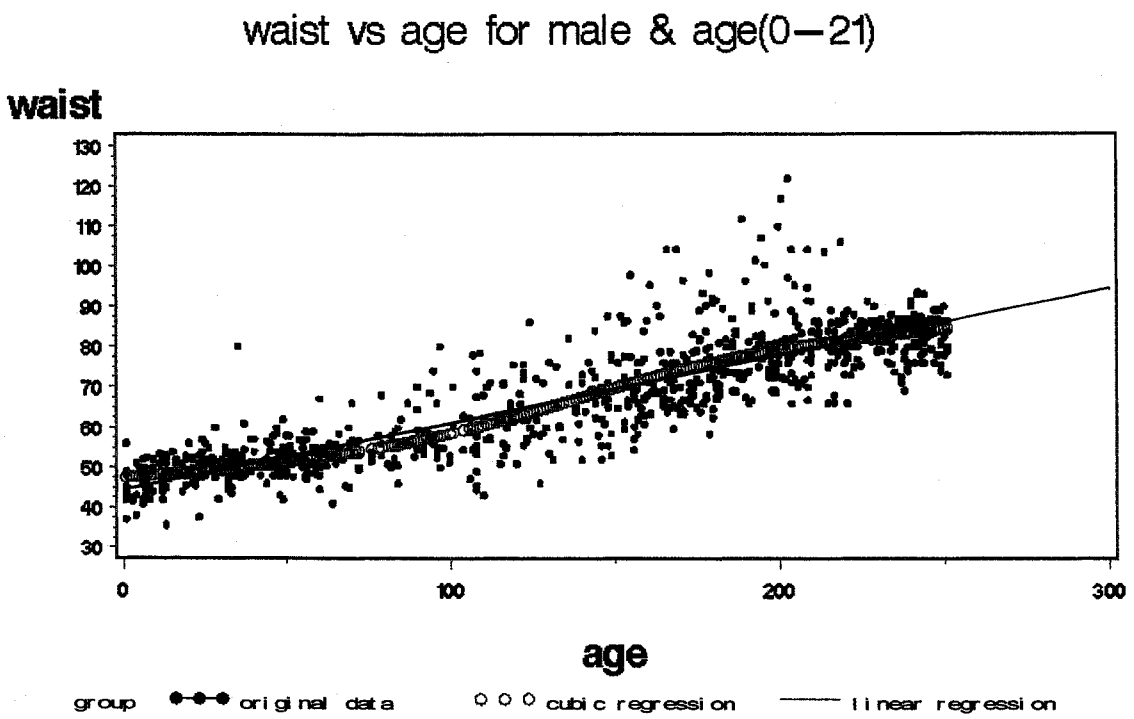
The estimated 1st order linear regression model:
waist=47.61700+0.11753*age

The estimated RCS model:
waist=45.82778+0.12369*X1+0.00000238*X2-0.00001537*X3

(4knots: t1=34; t2=120; t3=194; t4=245)

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e. Waist vs Age for males 0-21 years



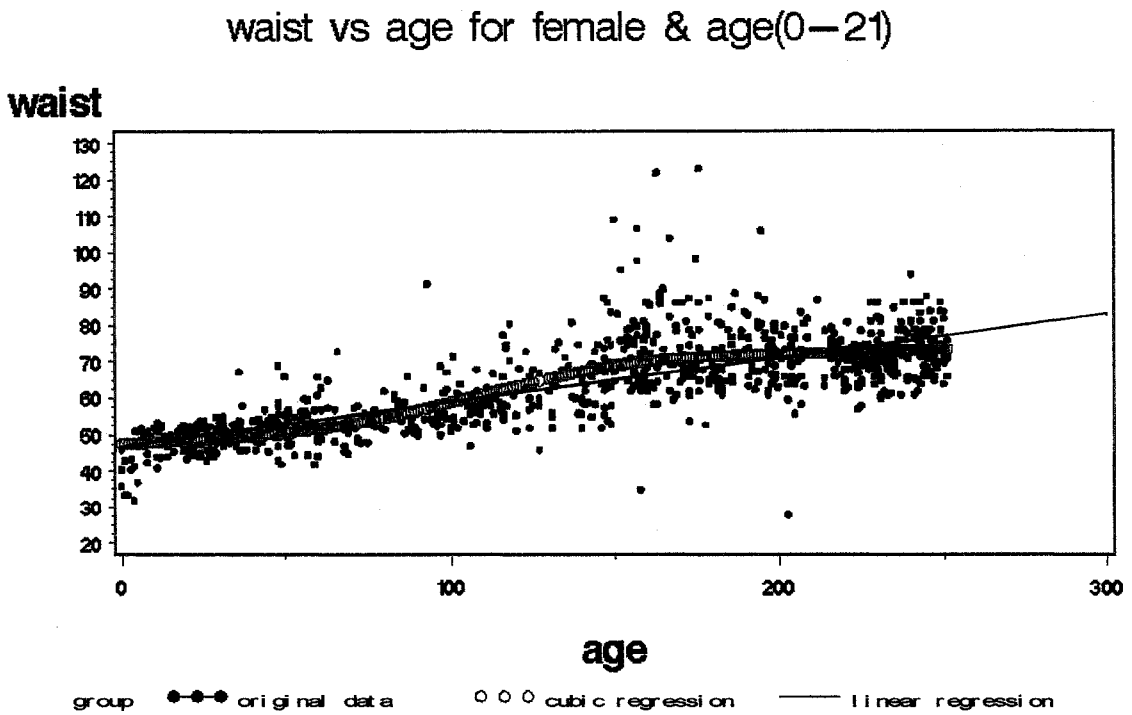
The estimated 1st order linear regression model:
waist=44.38904+0.16759*age

The estimated RCS model:
waist=47.46362+0.07810*X1+0.00000496*X2-0.00001487*X3

(4 knots: t1=12; t2=96; t3=185; t4=243)

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f. Waist vs Age for females 0-21 years



The estimated 1st order linear regression model:
waist=47.01405+0.12078*age

The estimated RCS model:
waist=47.60988+0.05445*X1+0.00001029*X2-0.00002649*X30.00003188*X4

(5 knots: t1=14; t2=72; t3=154; t4=204; t5=244)

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INITIAL GROWTH CHARTS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
DISABILITY POPULATION
COMBINED DATA

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Disability Poulation (combined; disability column 1,2,3,&4)

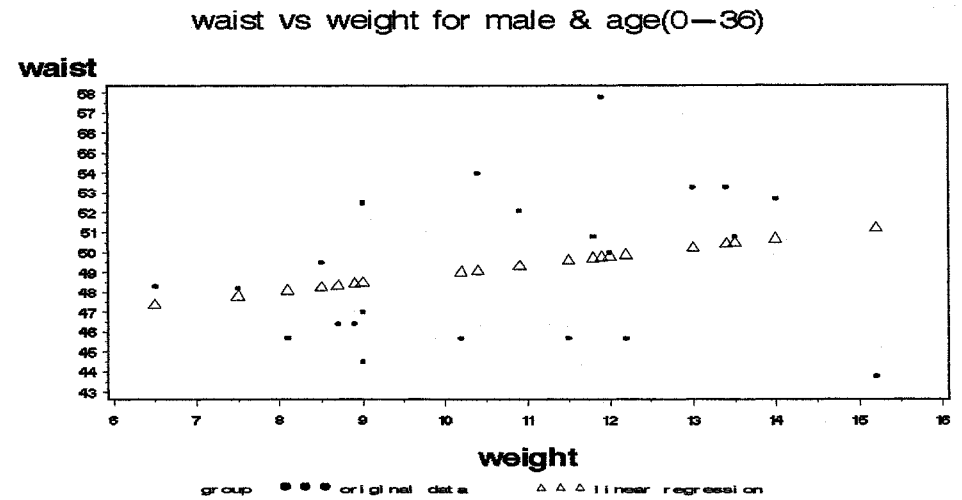
For the Restricted Cubic Spline model, the spline function with K knots $t_1, t_2, \ldots t_k$

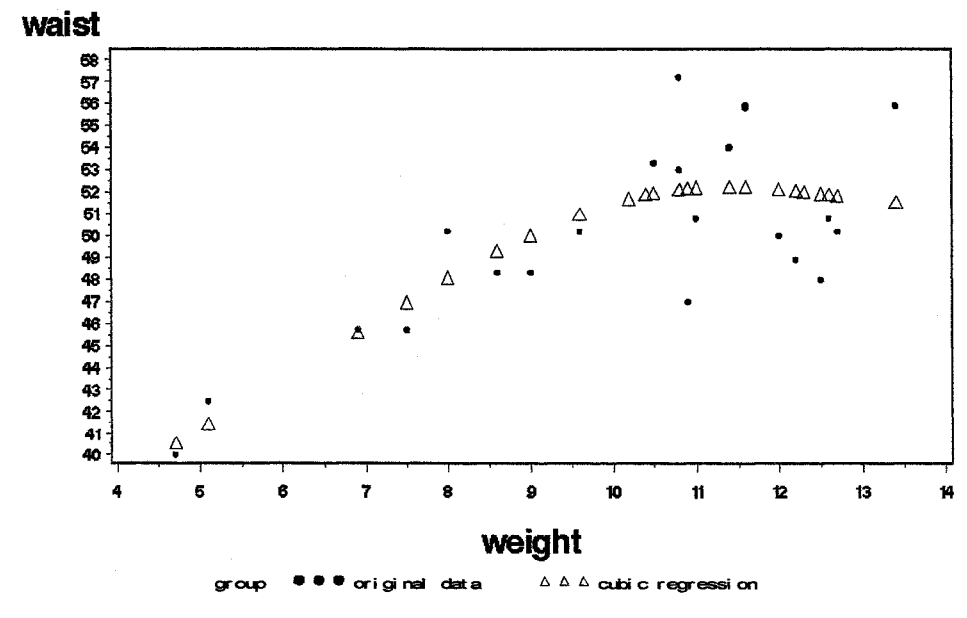
$f(X) = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \ldots + \beta_{k-1} X_{k-1}$

Where $X_1 = X$ *and for* $j = 1, \ldots, k-2$

$X_{j+1} = (X - t_j)^3_+ - (X - t_{k-1})^3_+ (t_k - t_j)/(t_k - t_{k-1}) + (X - t_k)^3 (t_{k-1} - t_j)/(t_k - t_{k-1})$

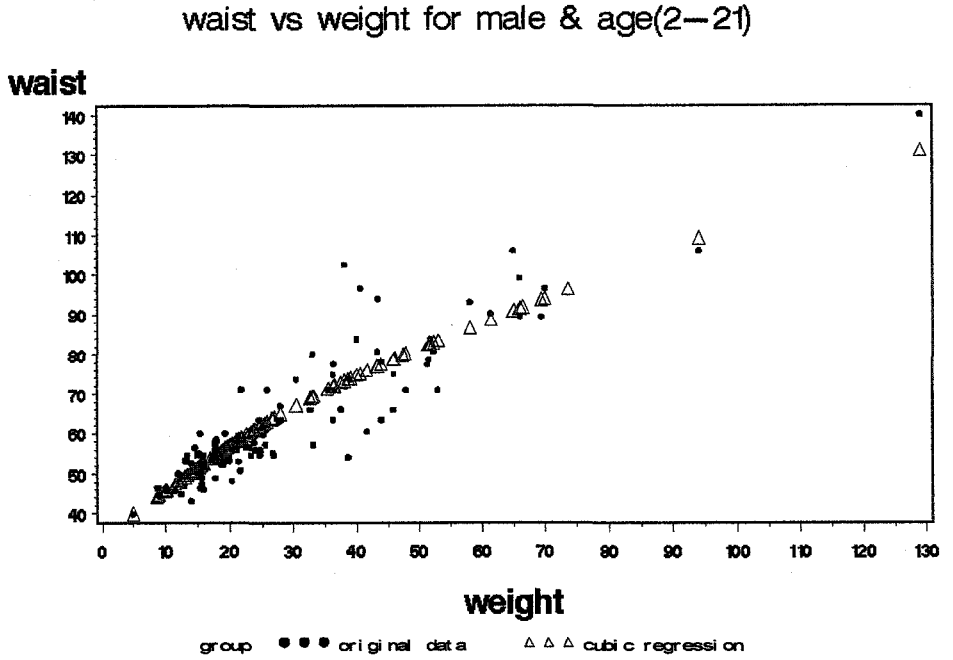
Waist Circumference to Weight





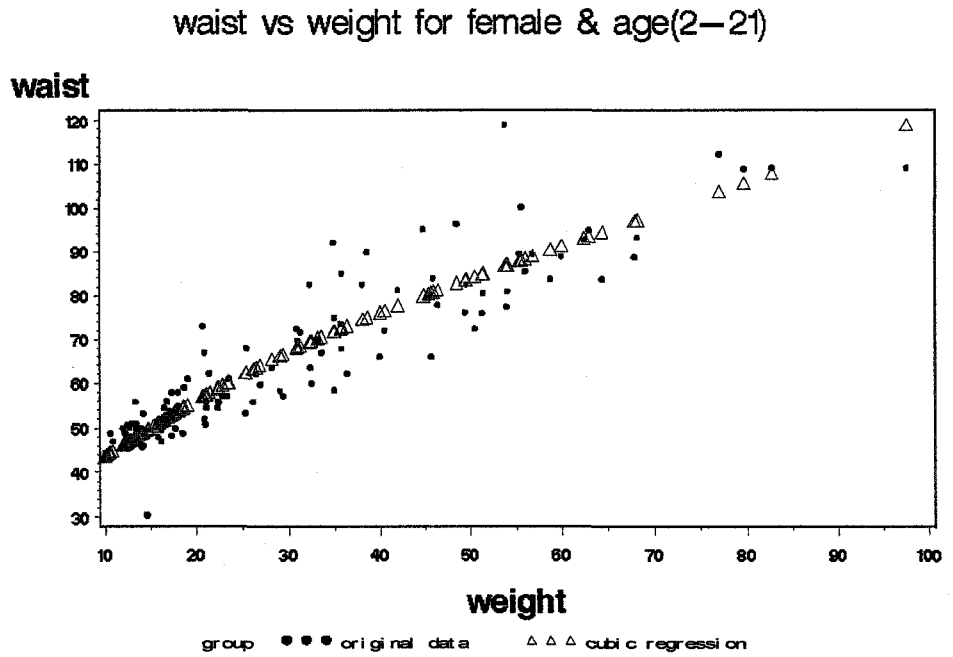
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Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$
Knots: t1= 6.9,...,t2= 10.8,...,t3= 12.6



Predicted waist=34.521998*weight-0.00042858*x2

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$
Knots: t1= 13,...,t2= 21.8,...,t3= 58.1

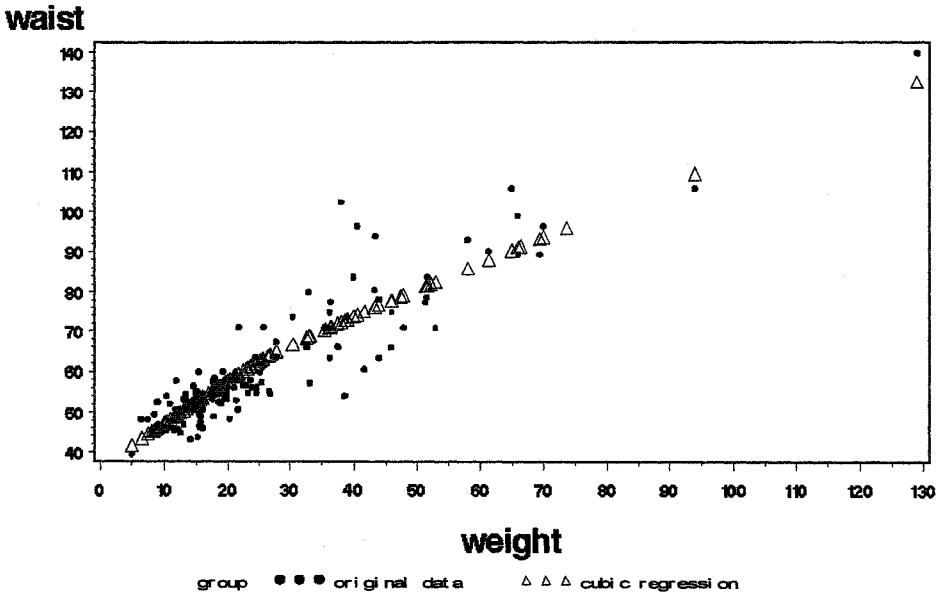


Predicted waist=31.151998*weight-0.00038792*x2

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$
Knots: t1= 12.7,...,t2= 23.3,...,t3= 56

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waist vs weight for male & age(0—21)

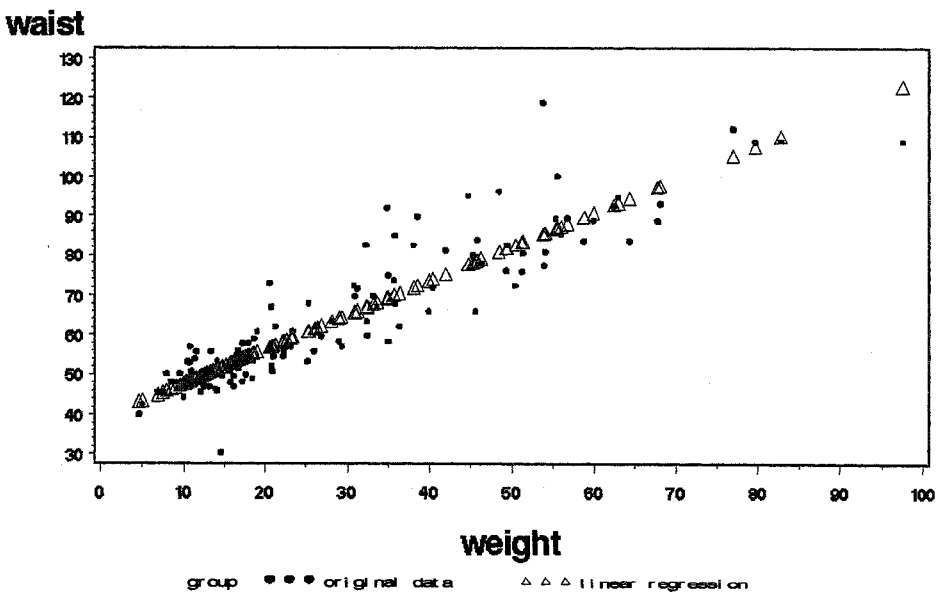


Predicted waist=36.869438*weight-0.00032780*x2

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$

Knots: t1= 10.4,…,t2= 20,…,t3= 52.3

waist vs weight for female & age(0—21)



Predicted waist=39.13793+0.87652*weight

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$

Knots: t1= 10.7,…, t2= 20.9,…,t3= 55.5

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Disability Poulation (combined; disability column 1,2,3,&4)

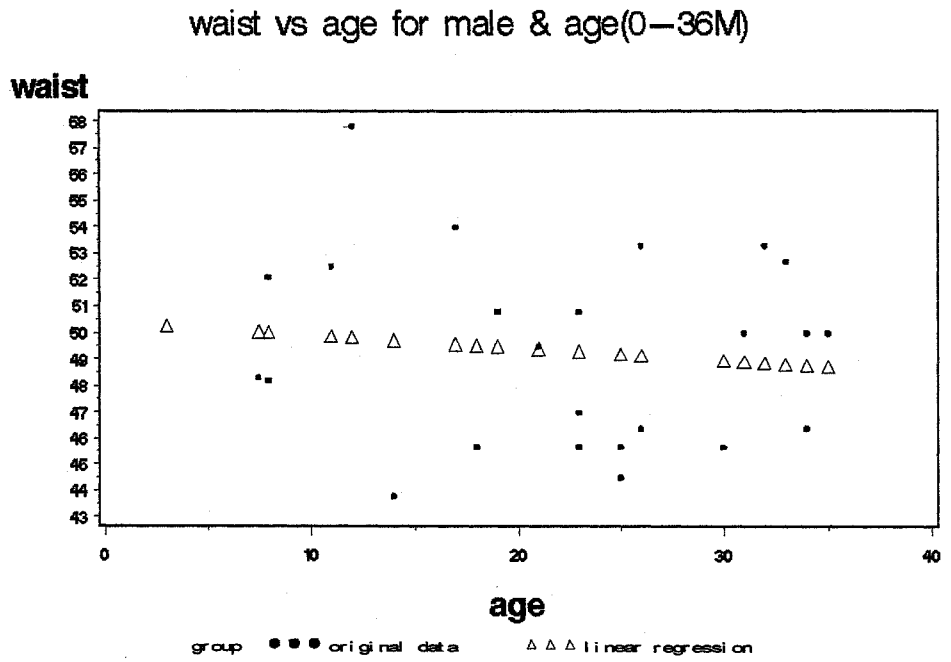
For the Restricted Cubic Spline model, the spline function with K knots $t_1, t_2, \ldots t_k$

$f(X) = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \ldots + \beta_{k-1} X_{k-1}$

Where $X_1 = X$ *and for* $j = 1, \ldots, k-2$

$X_{j+1} = (X - t_j)^3_+ - (X - t_{k-1})^3_+ (t_k - t_j)/(t_k - t_{k-1}) + (X - t_k)^3 (t_{k-1} - t_j)/(t_k - t_{k-1})$

Waist Circumference to Age



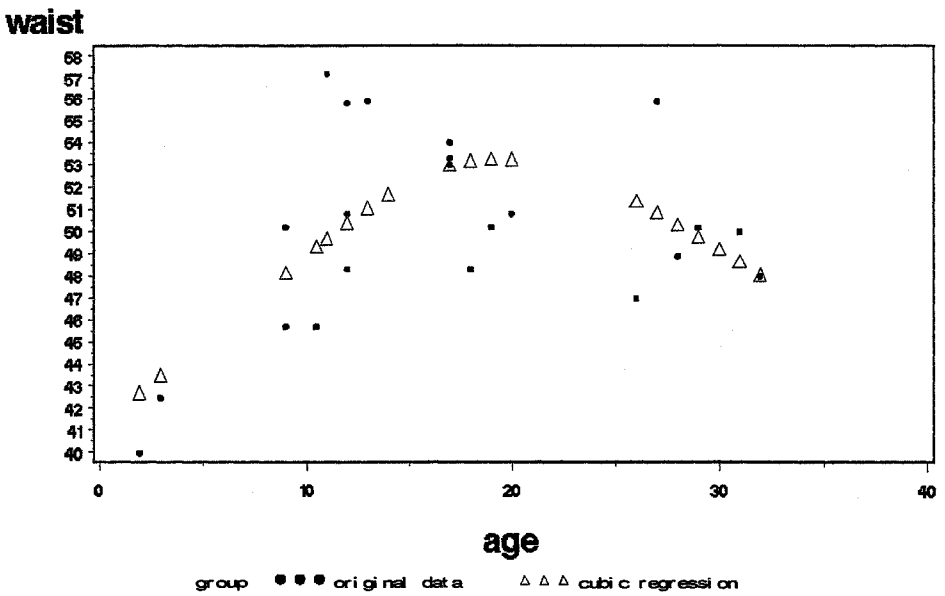
Predicted waist =53. 16063- 0. 14693* age

Where $X_2 = (X - t_1)^3_+ - (X - t_2)^3_+ (t_3 - t_1)/(t_3 - t_2) + (X - t_3)^3 (t_2 - t_1)/(t_3 - t_2)$

Knots: t1= 8,...,t2= 23,...,t3= 34

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waist vs age for female & age(0—36M)

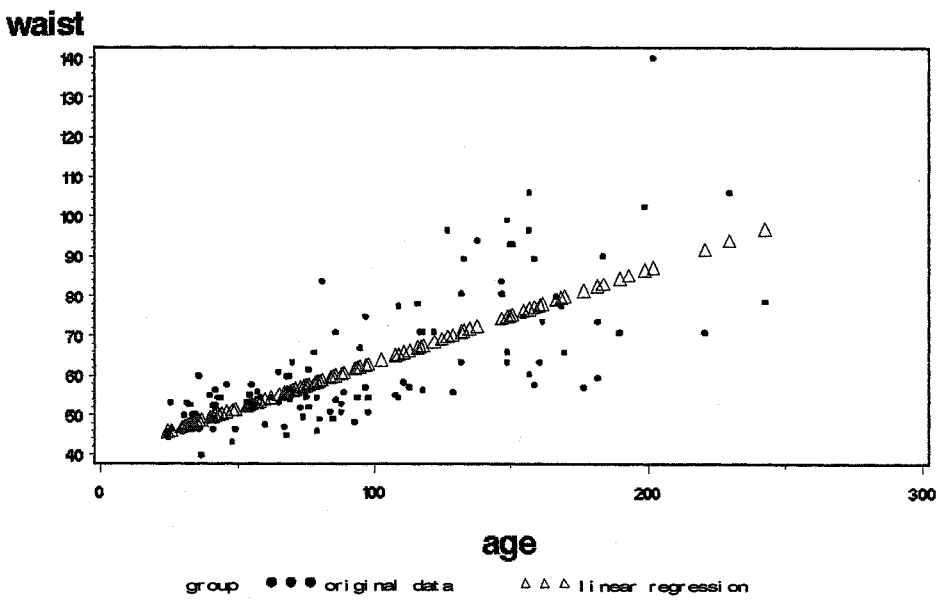


Predicted waist=41.172478*age-0.00267*x2

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3_+ (t_2-t_1)/(t_3-t_2)$

Knots: t1=9,...,t2=17,...,t3=30

waist vs age for male & age(2—21)



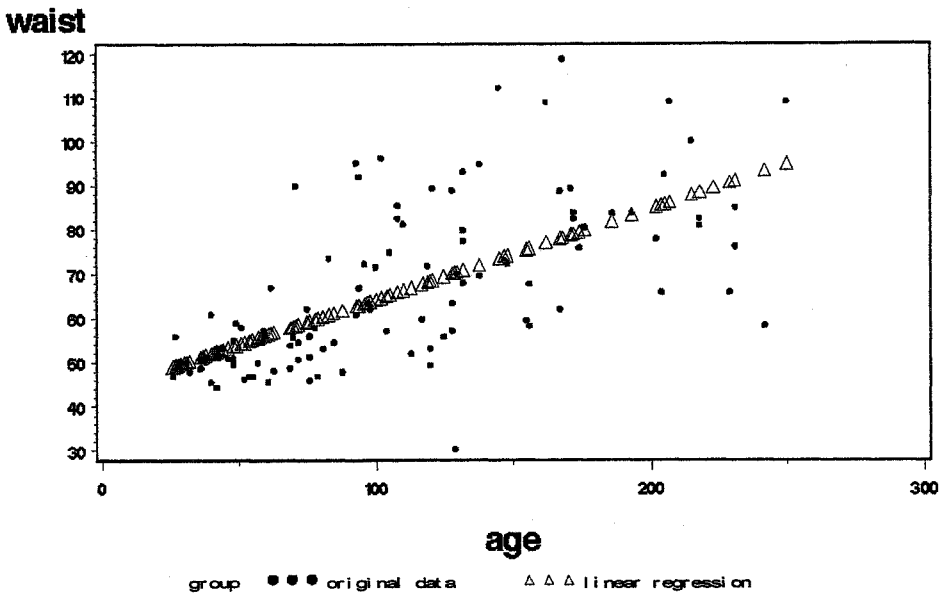
Predicted waist=40.86620+0.23188*age

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3_+ (t_2-t_1)/(t_3-t_2)$

Knots: t1=36,...,t2=86,...,t3=177

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waist vs age for female & age(2–21)

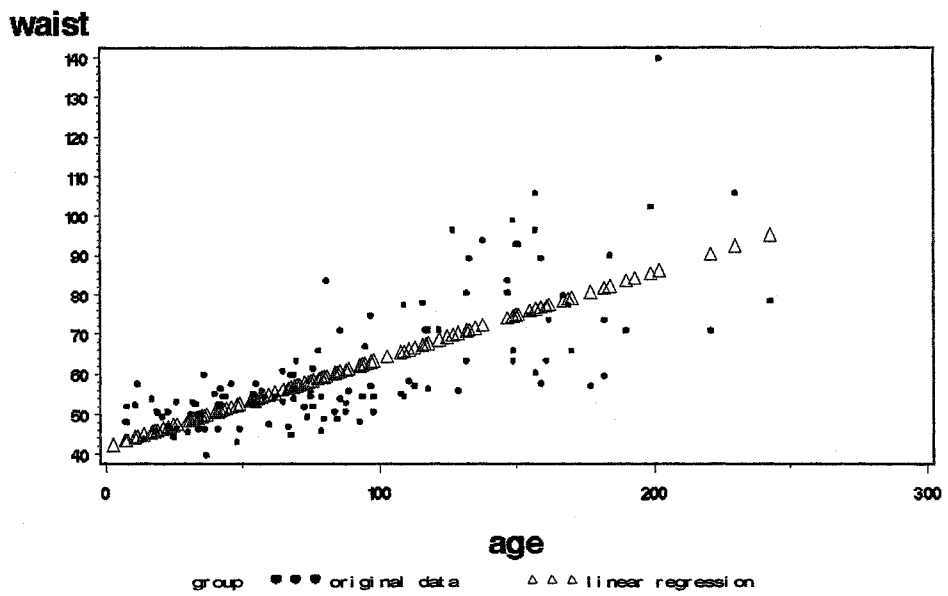


Predicted waist =45.22638+0.19929*age

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$

Knots: t1= 38,...,t2= 94,...,t3= 202

waist vs age for male & age(0–21)

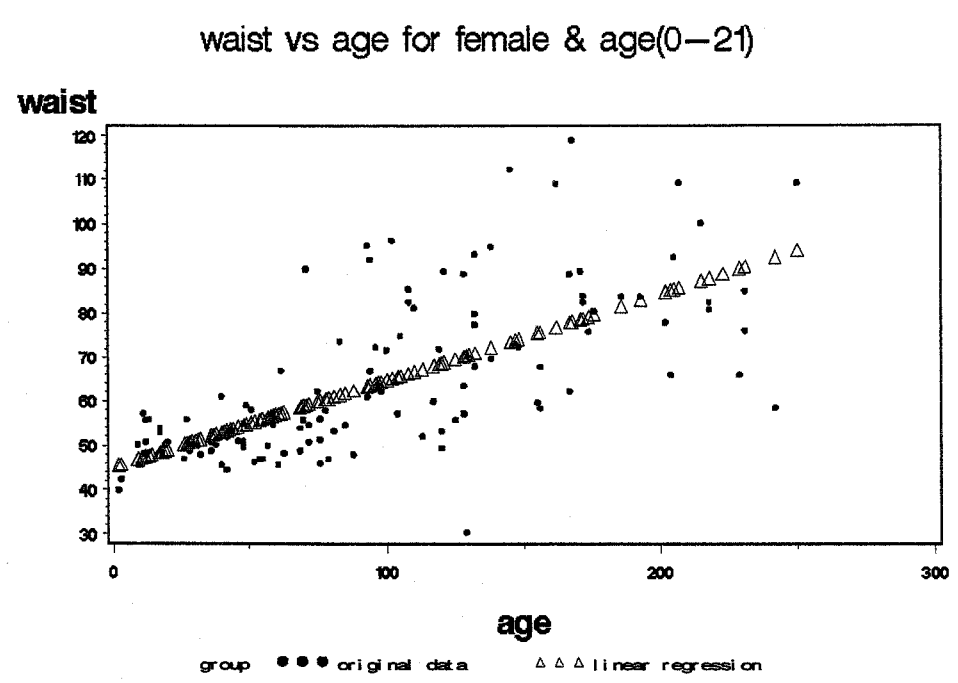


Predicted waist =42.86852+0.21694*age

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3(t_2-t_1)/(t_3-t_2)$

Knots: t1= 25,...,t2= 79,...,t3= 169

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Predicted waist=46.05738+0.19352*age

Where $X_2 = (X-t_1)^3_+ - (X-t_2)^3_+ (t_3-t_1)/(t_3-t_2) + (X-t_3)^3_+ (t_2-t_1)/(t_3-t_2)$

Knots: t1= 17.5,...,t2= 79,...,t3= 189.5

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RESTRICTED CUBIC SPLINE CHARTS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
DISABILITY POPULATION
SEPARATED DATA

1=CRANIOFACIAL ANOMALIES

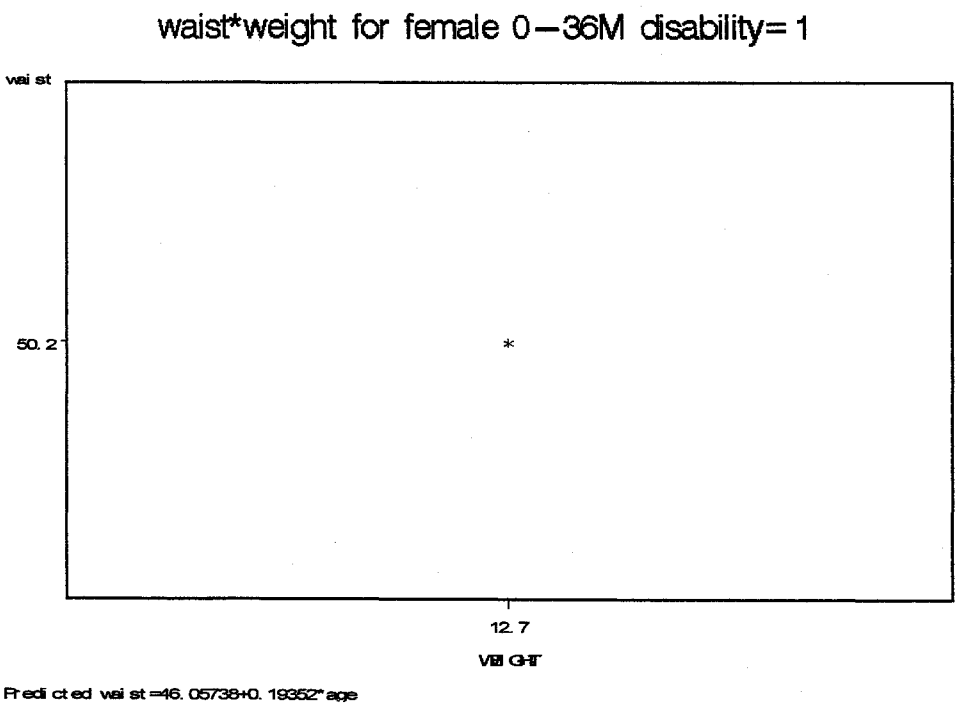
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Disability Population (each disability separated; disability column all 1's)
CRANIOFACIAL ANOMALIES

Waist Circumference to Weight

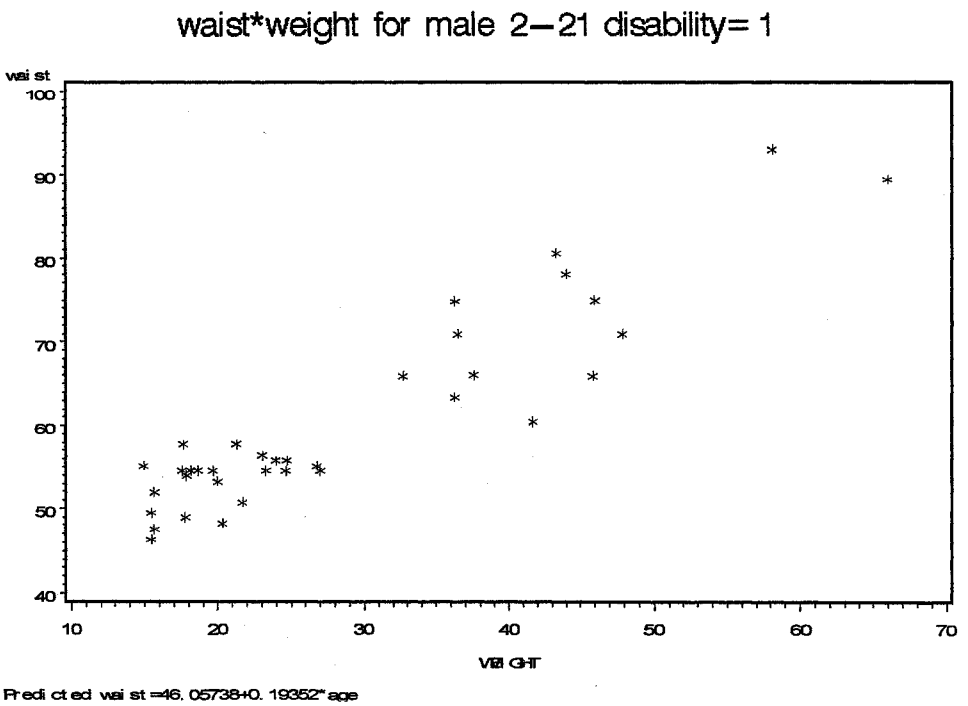
0-36 months males
no data point

0-36 months females

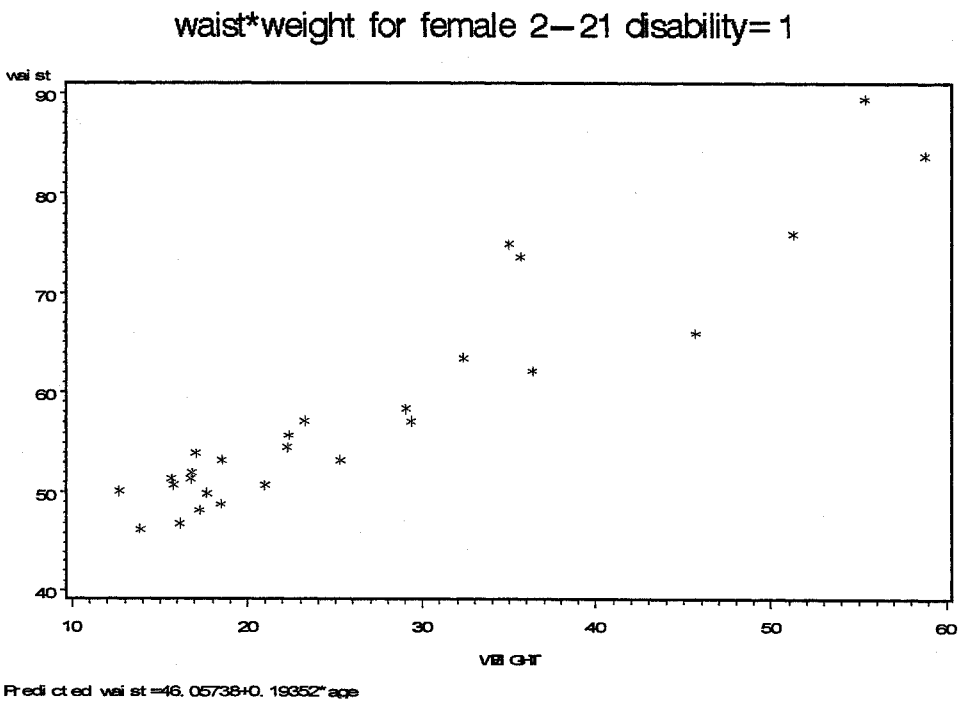


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2-21 years males

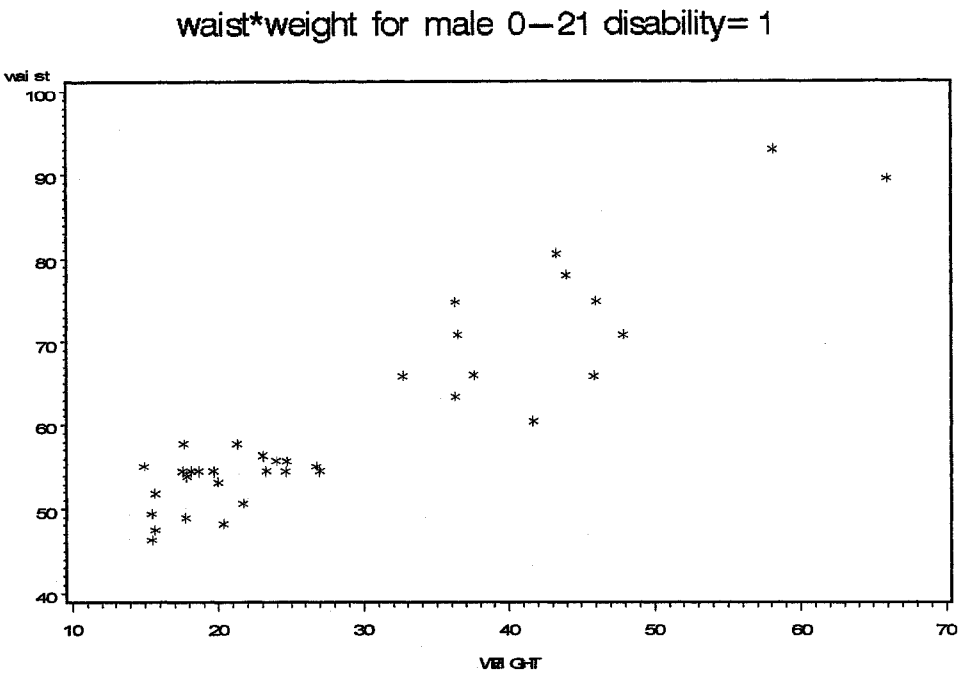


2-21 years females

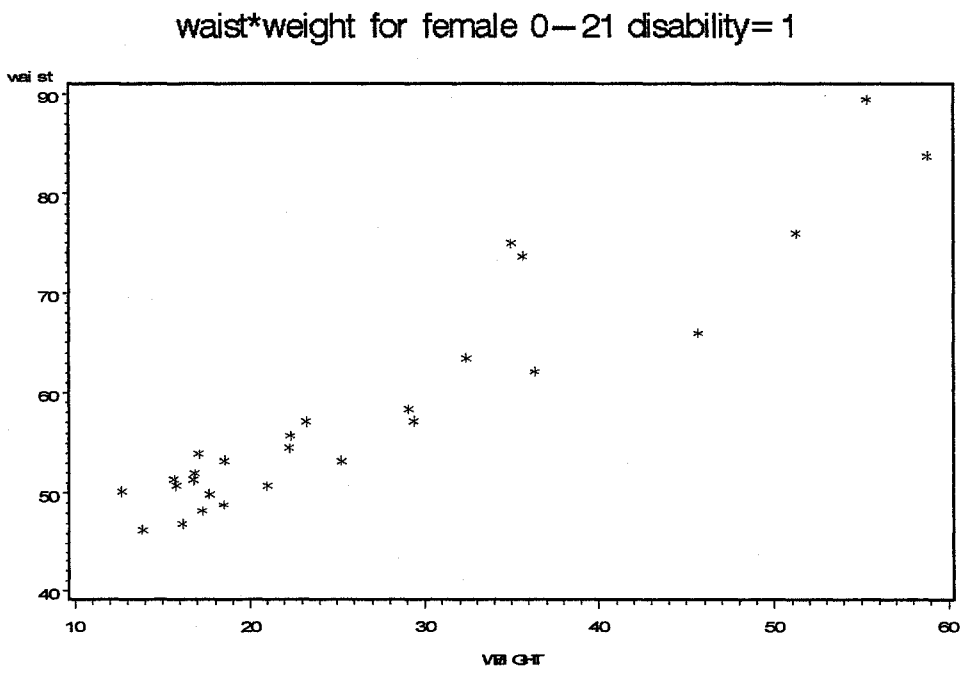


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0-21 years males



0-21 years females



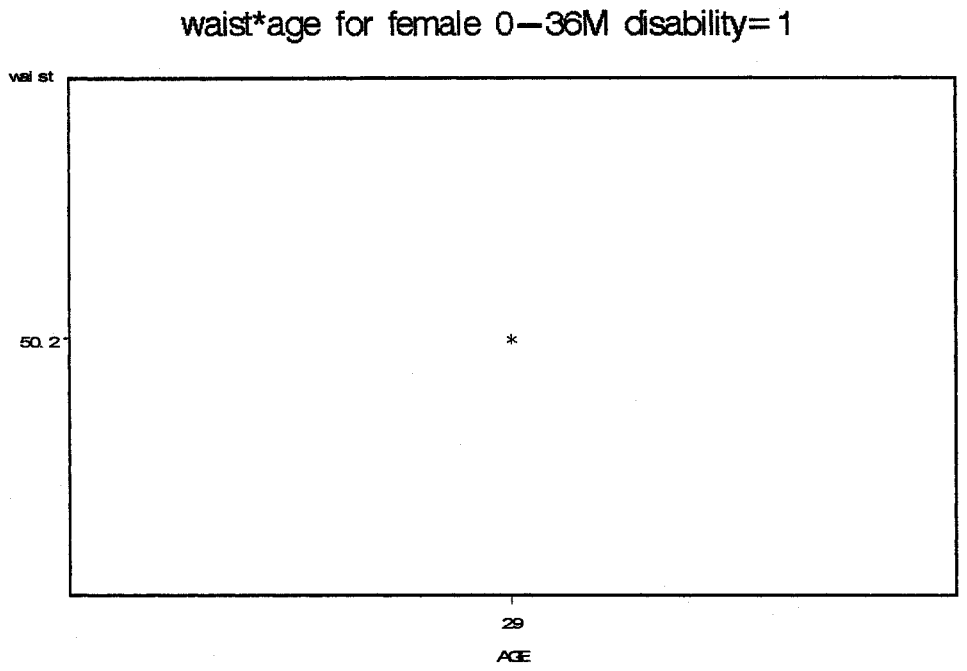
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Waist Circumference to Age

0-36 months males

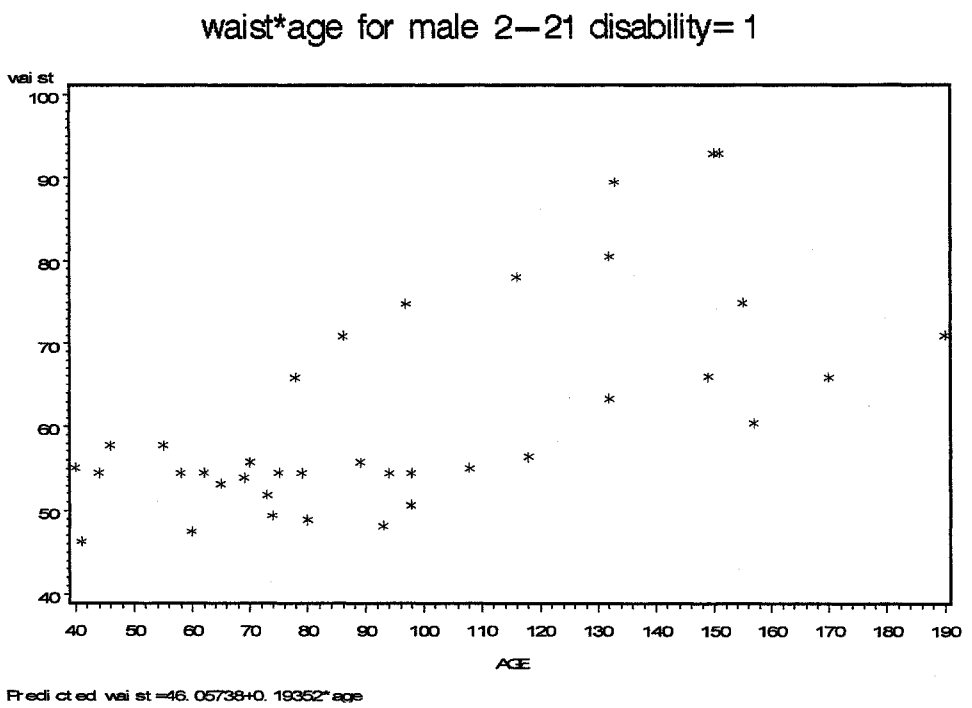
no data point

0-36 months females

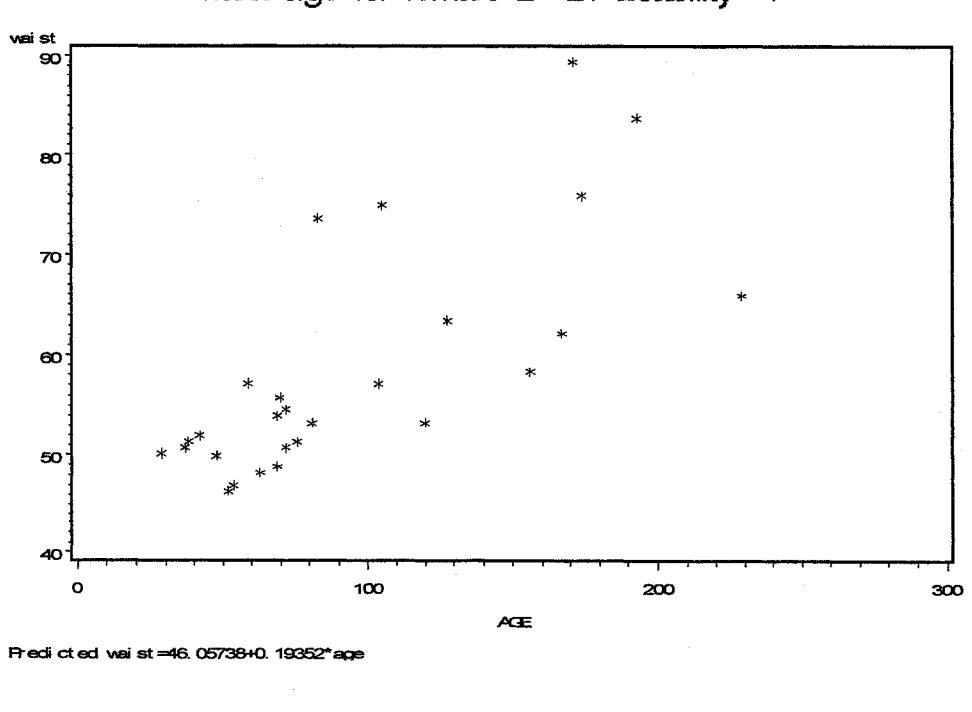


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2-21 years males

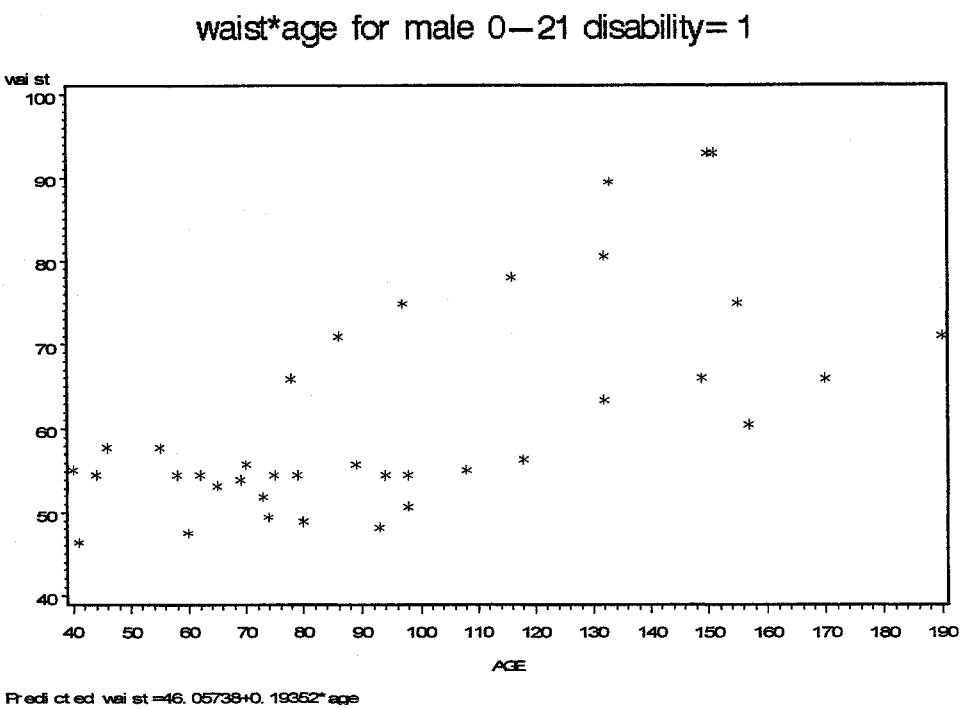


2-21 years females

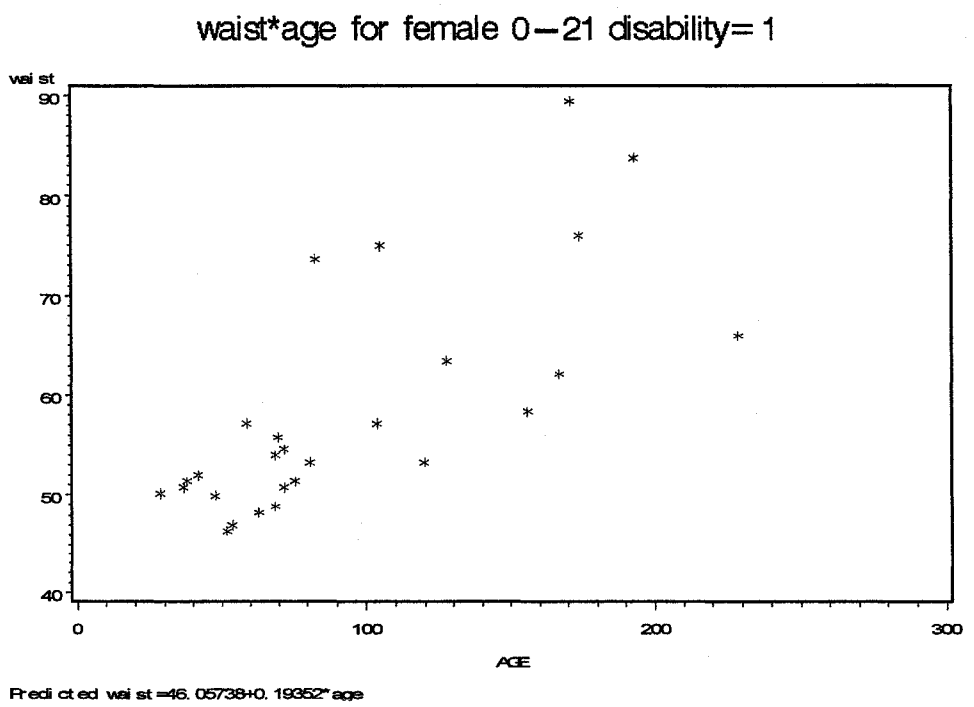


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0-21 years males



0-21 years females



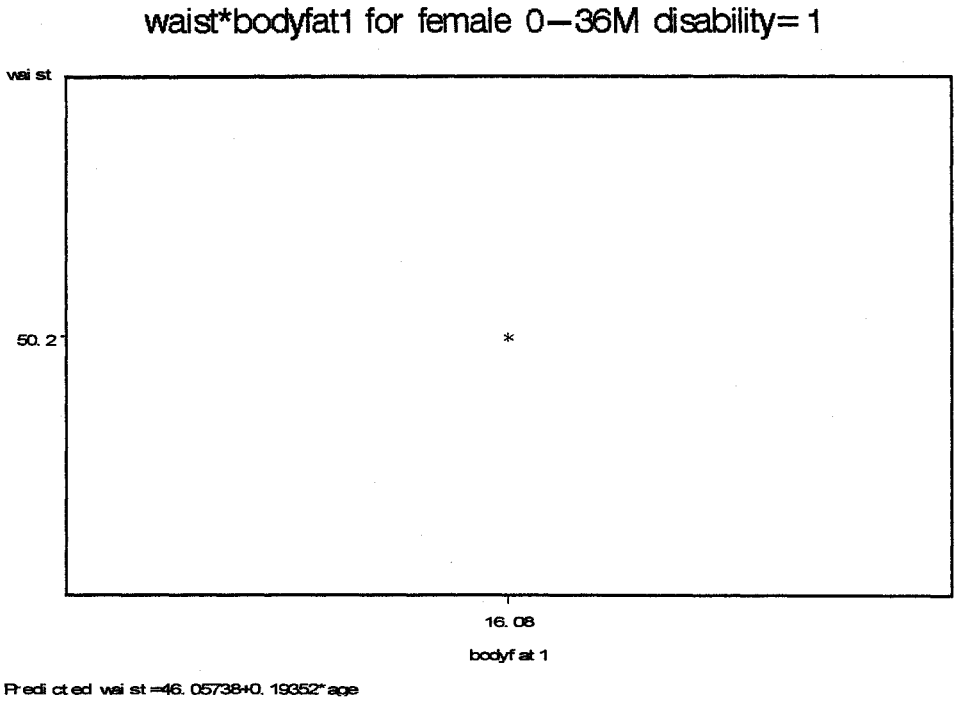
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Waist Circumference to Bodyfat1

0-36 months males

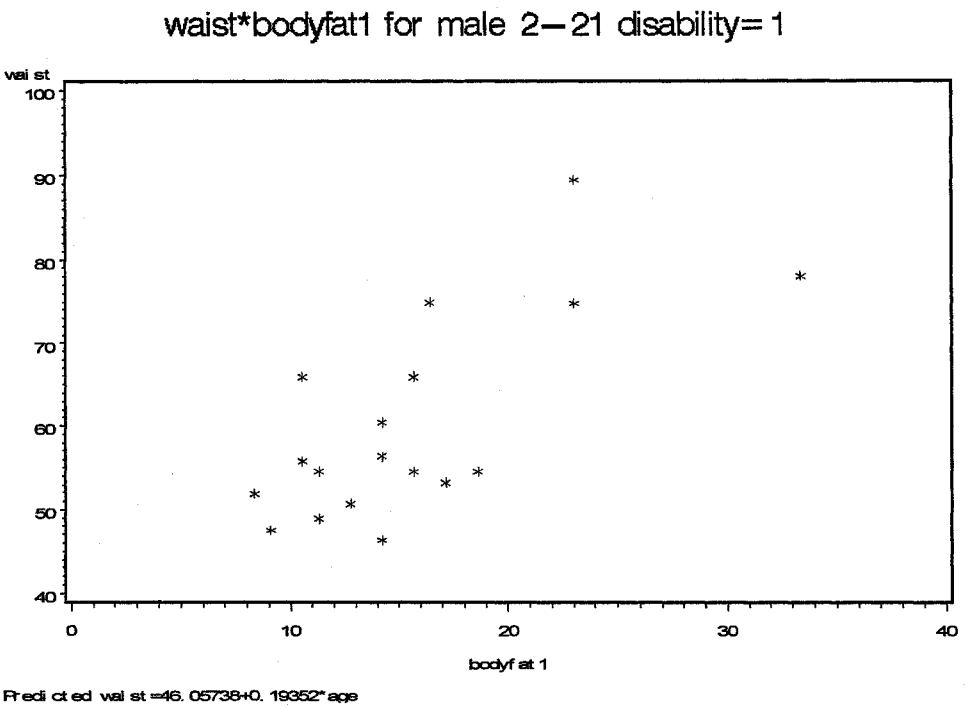
no data point

0-36 months females

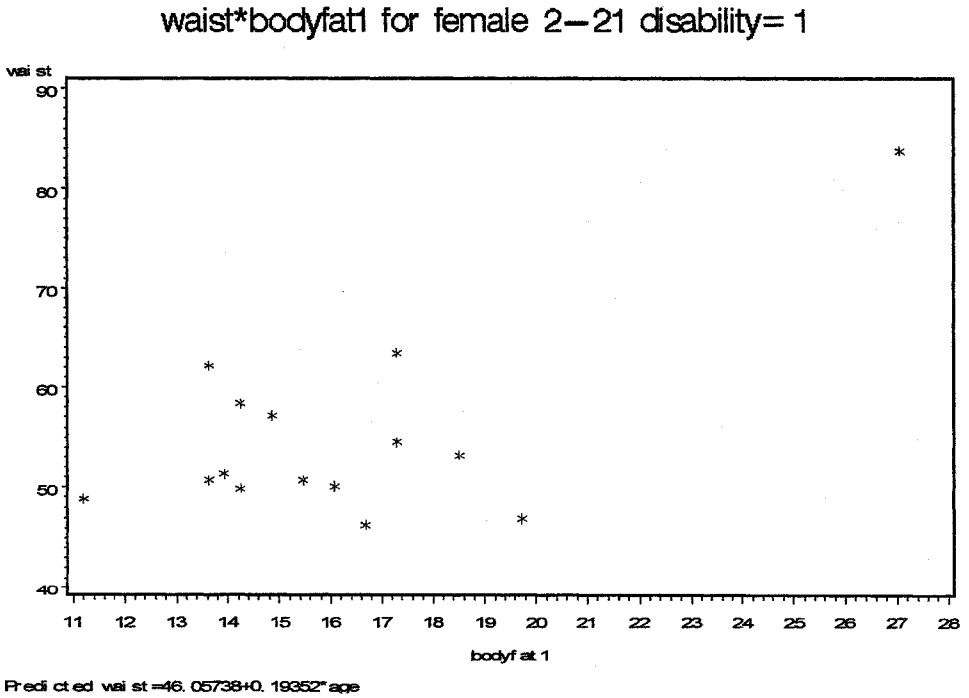


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2-21 years males

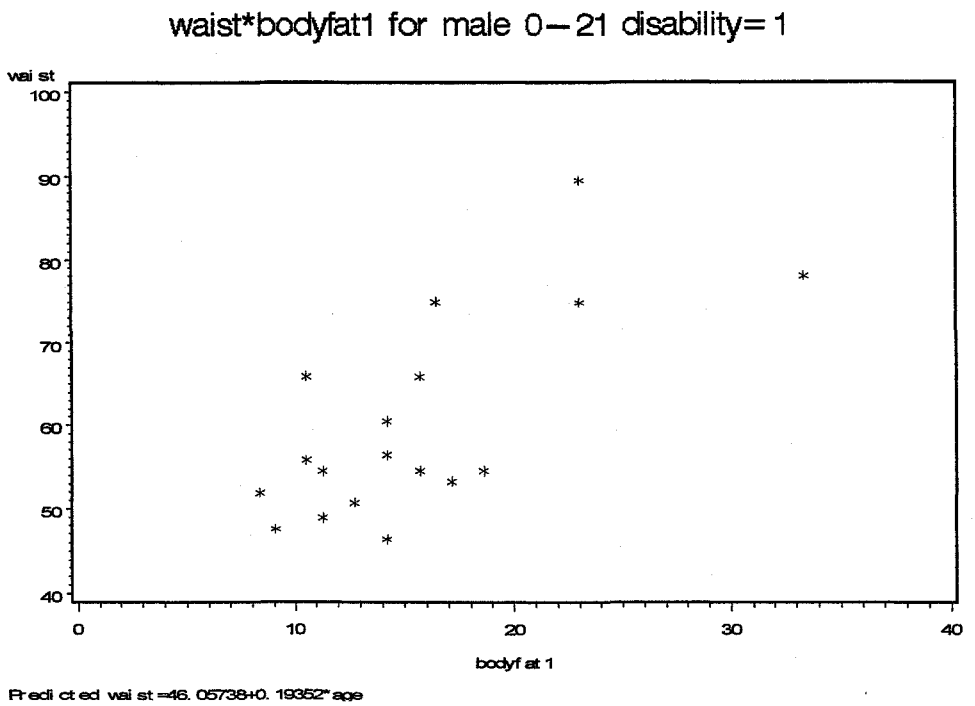


2-21 years females

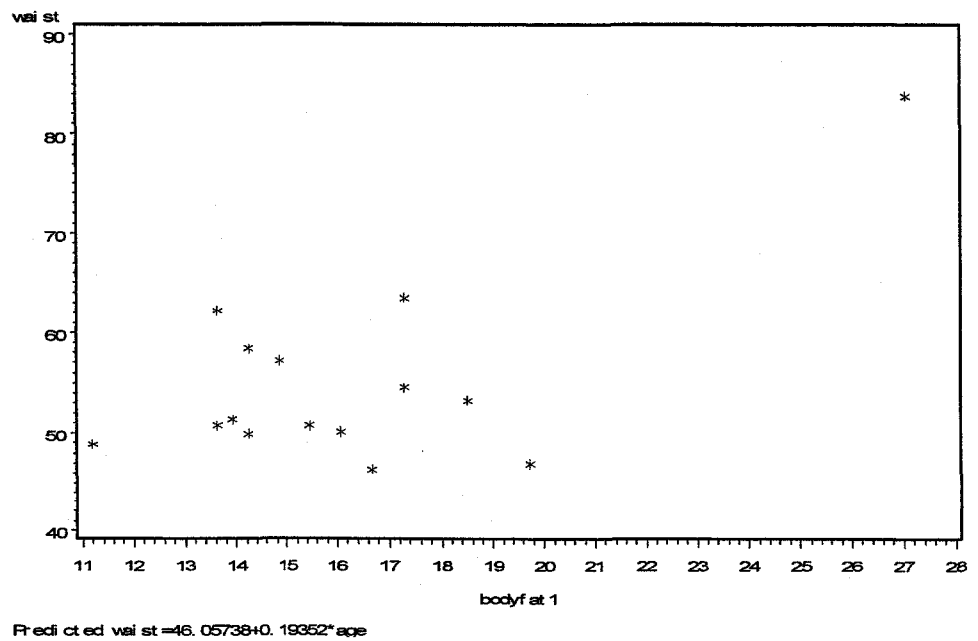


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0-21 years males



0-21 years females



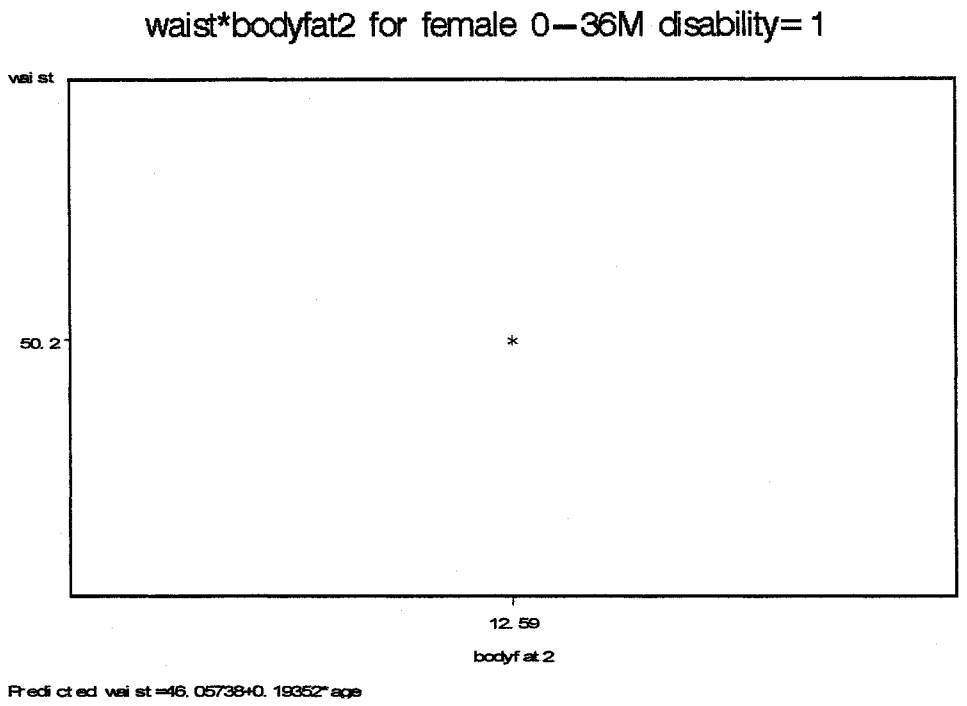
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Waist Circumference to Bodyfat2

0-36 months males

no data point

0-36 months females

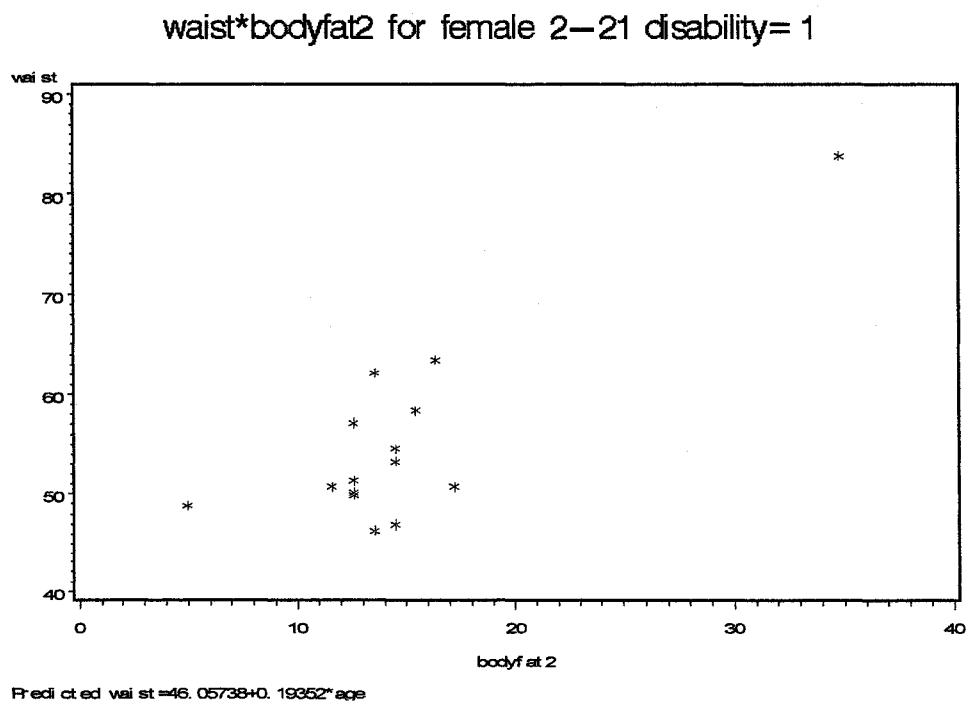


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2-21 years males

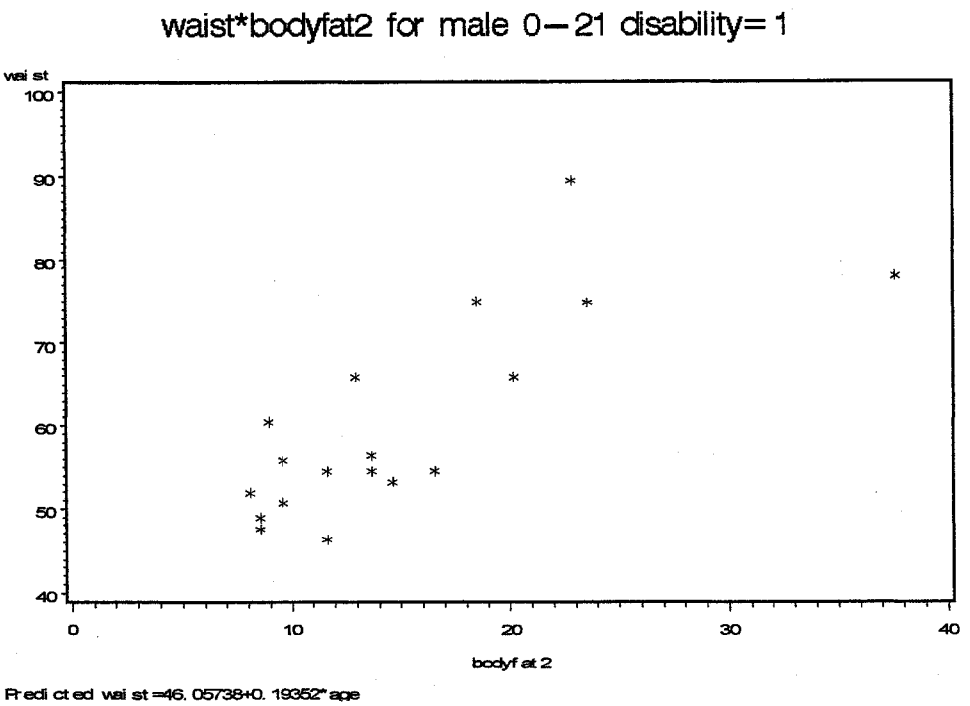


2-21 years females

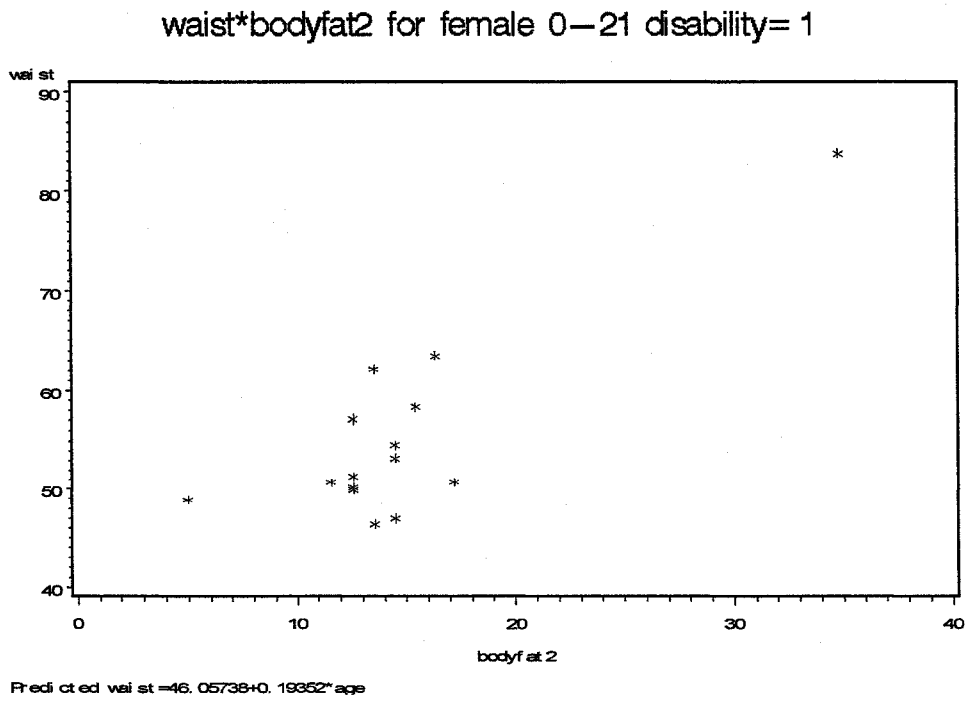


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0-21 years males



0-21 years females



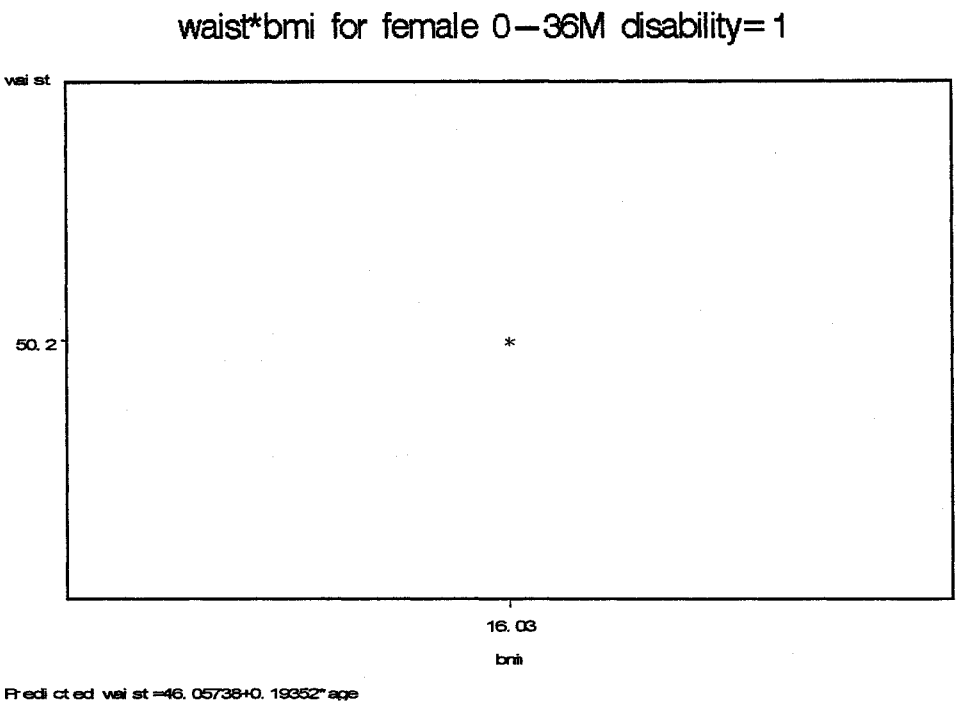
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Waist Circumference to Body Mass Index

0-36 months males

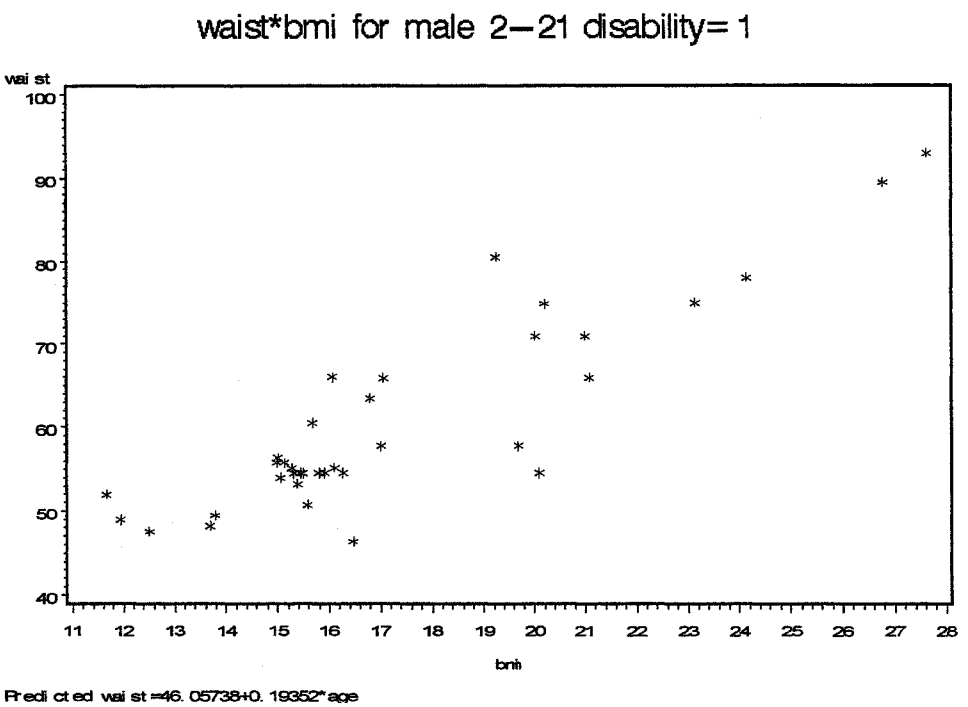
no data point

0-36 months females

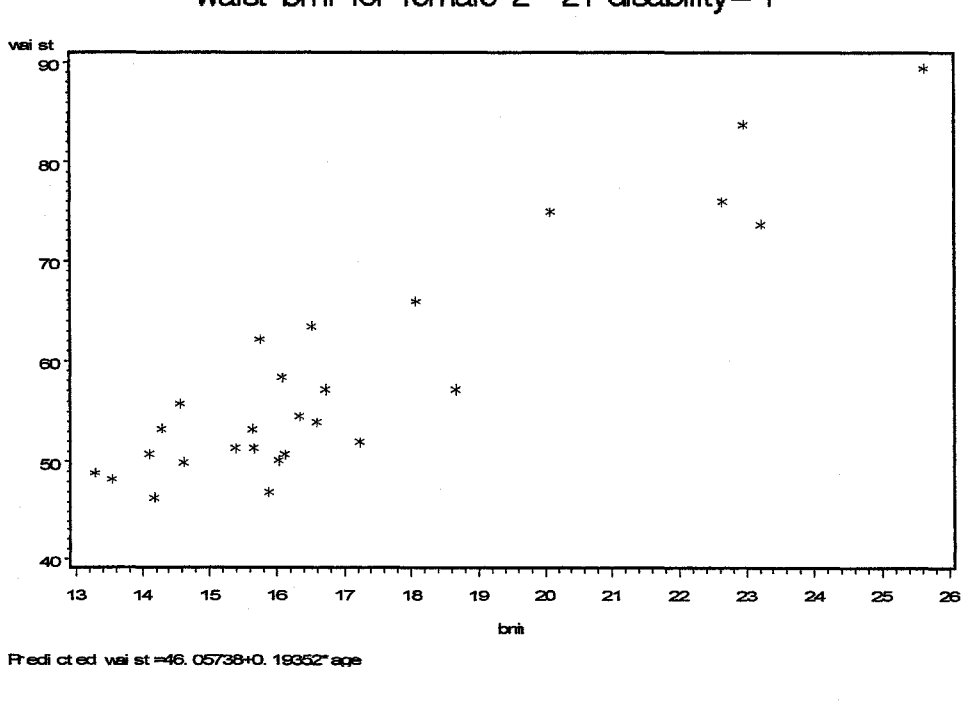


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2-21 years males

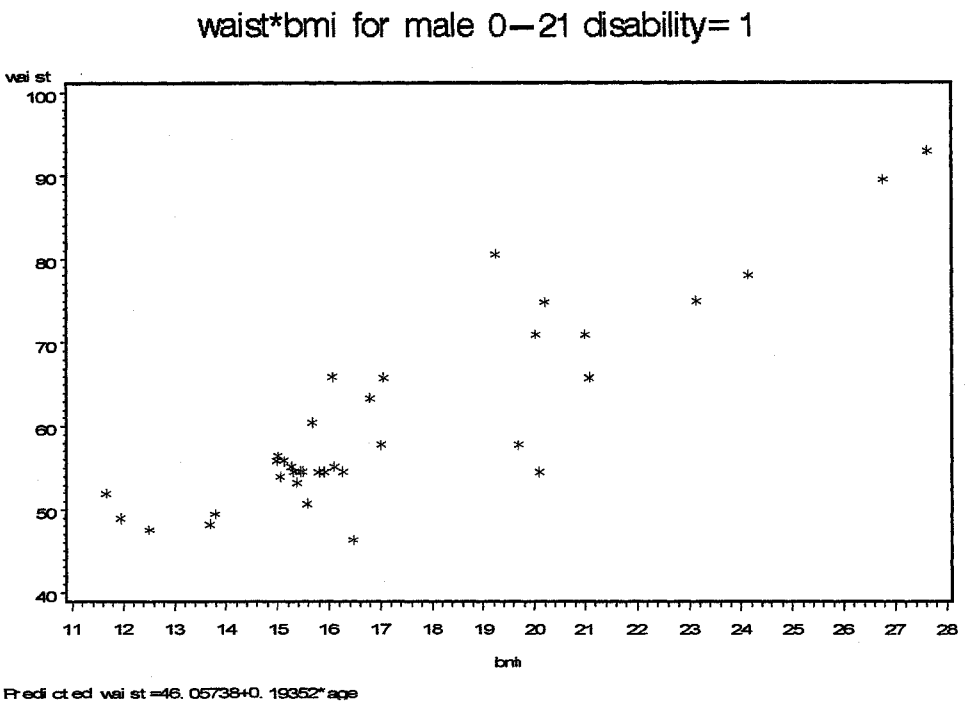


2-21 years females

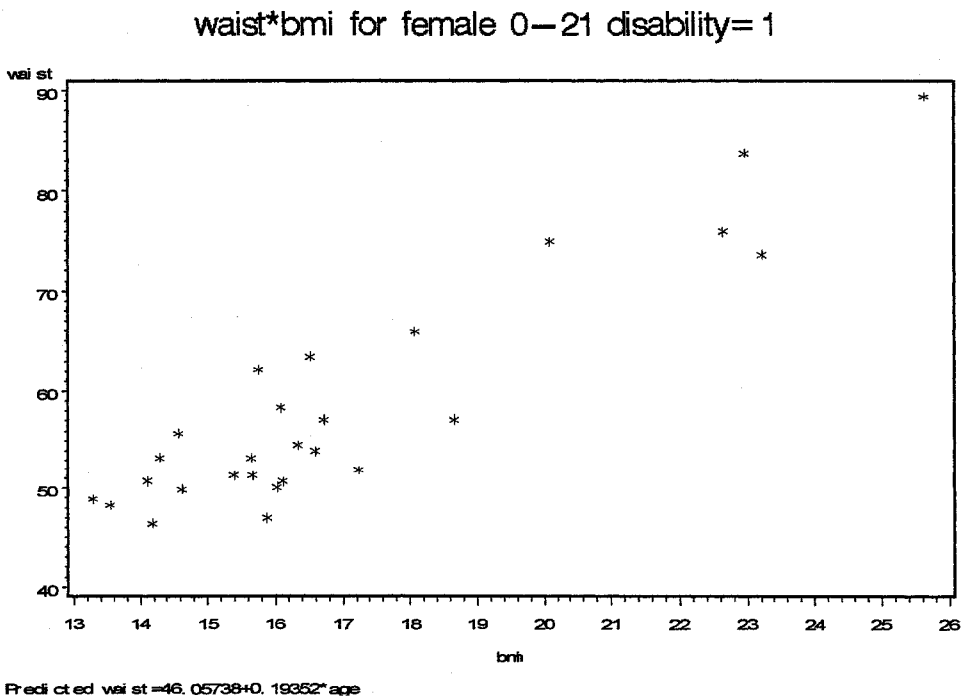


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0-21 years males



0-21 years females



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APPENDIX I (cont)

RESTRICTED CUBIC SPLINE CHARTS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
DISABILITY POPULATION
SEPARATED DATA

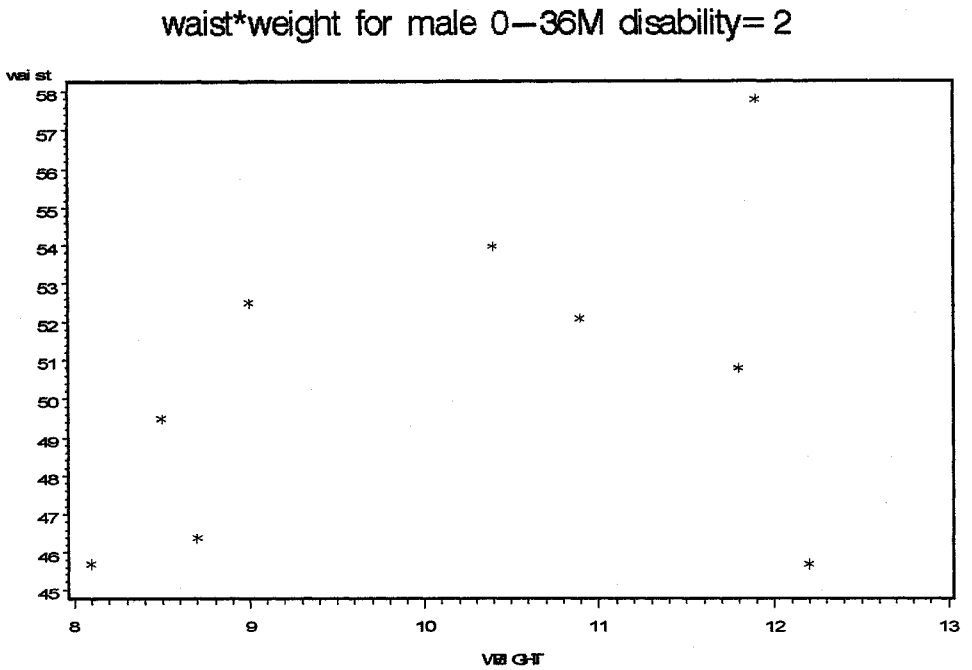
2=MYELOMENINGOCELE

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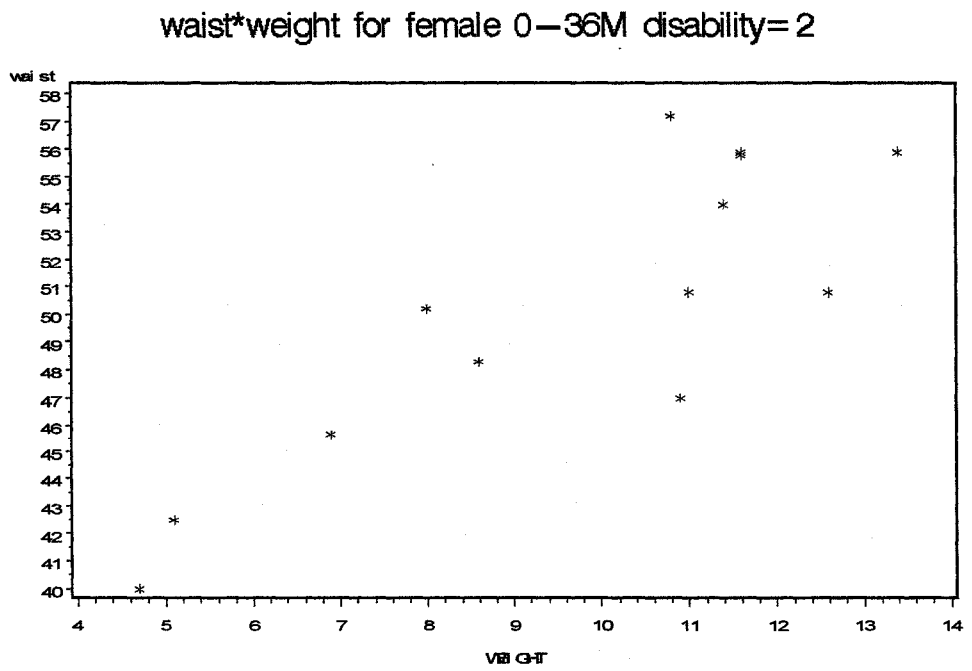
Disability population (each disability separated; disability column all 2's)
MYELOMENINGOCELE

Waist Circumference to Weight

0-36 months males

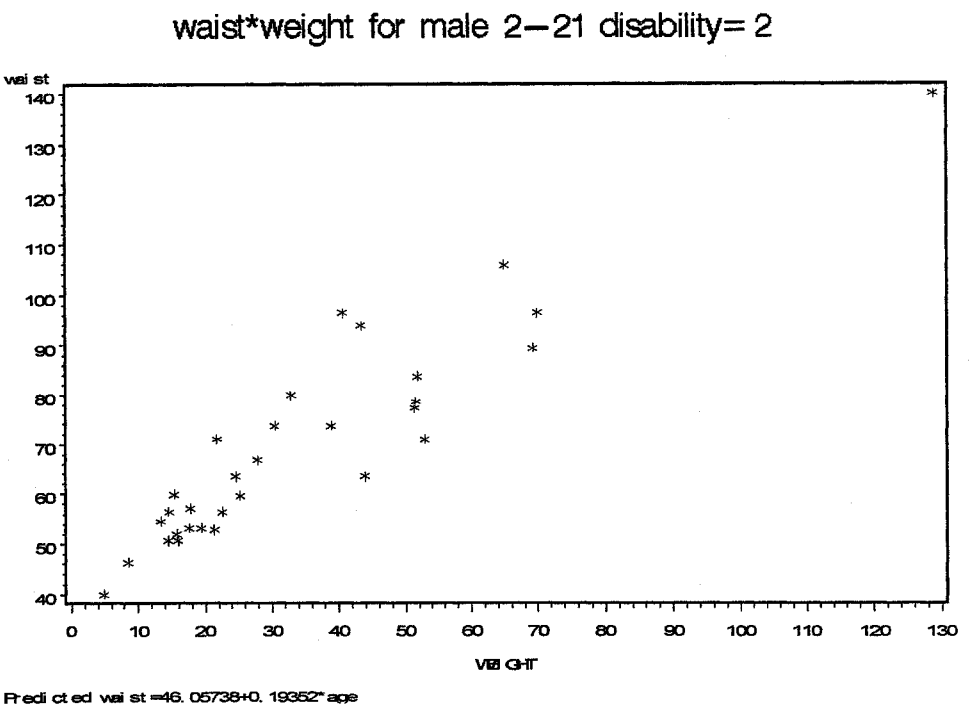


0-36 months females

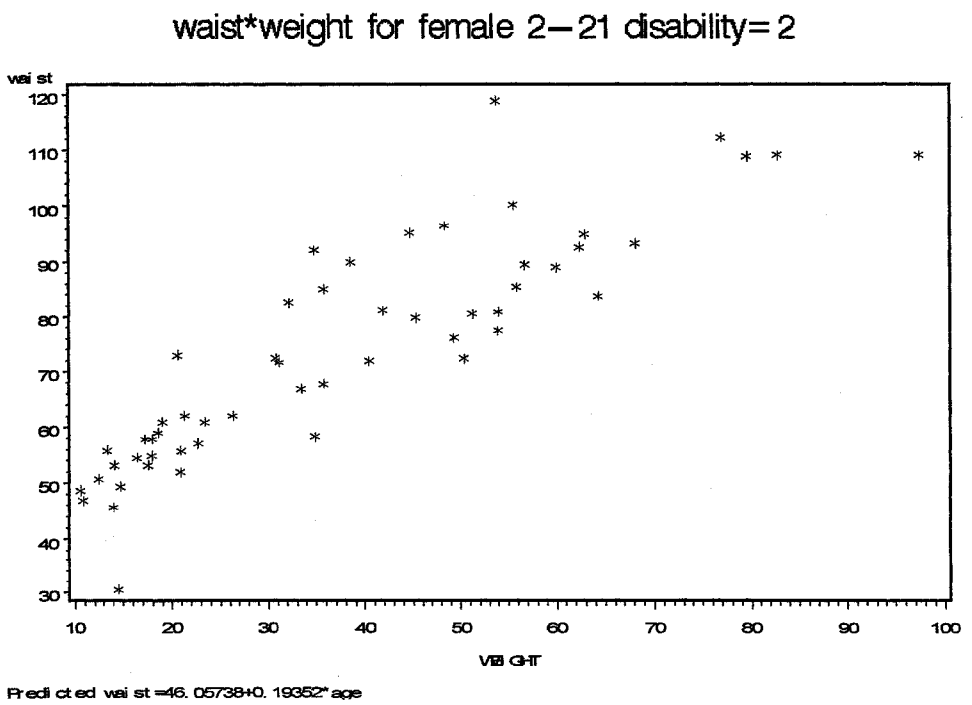


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2-21 years males

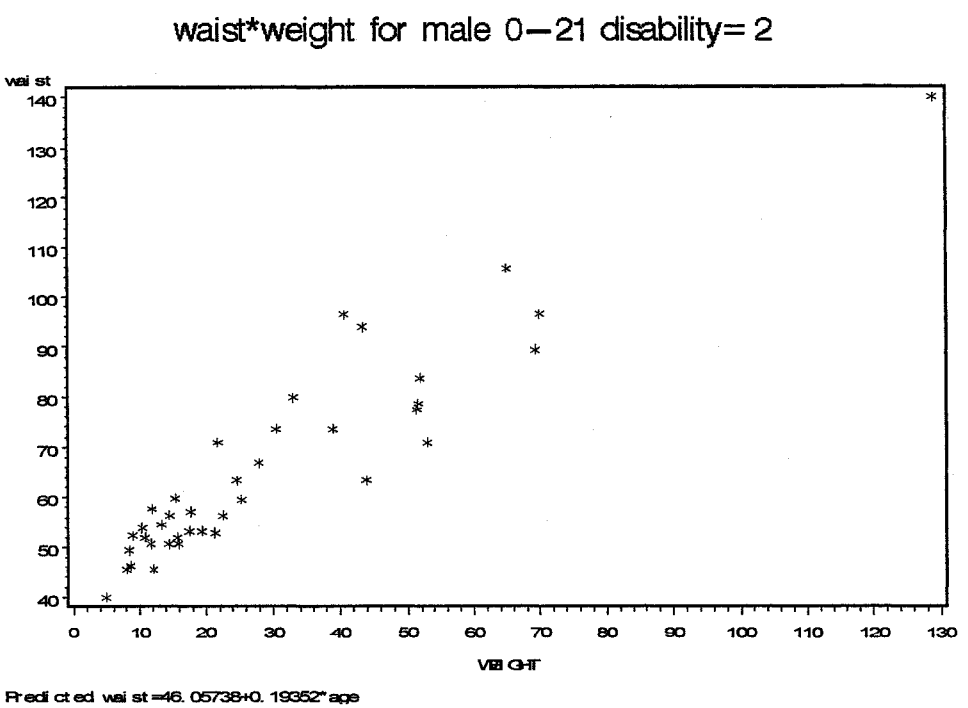


2-21 years females

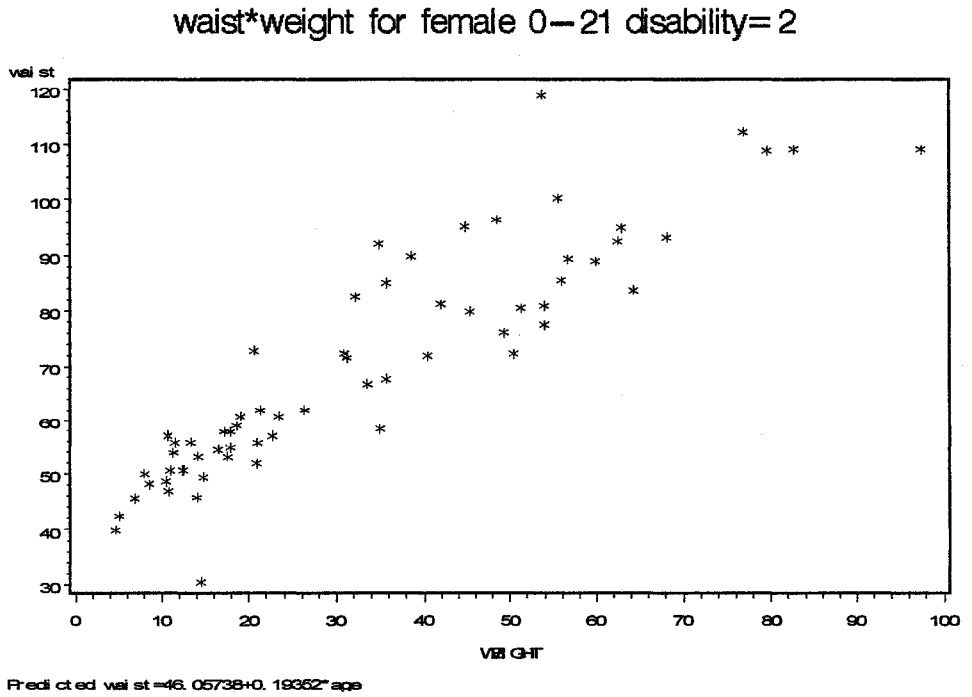


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0-21 years males



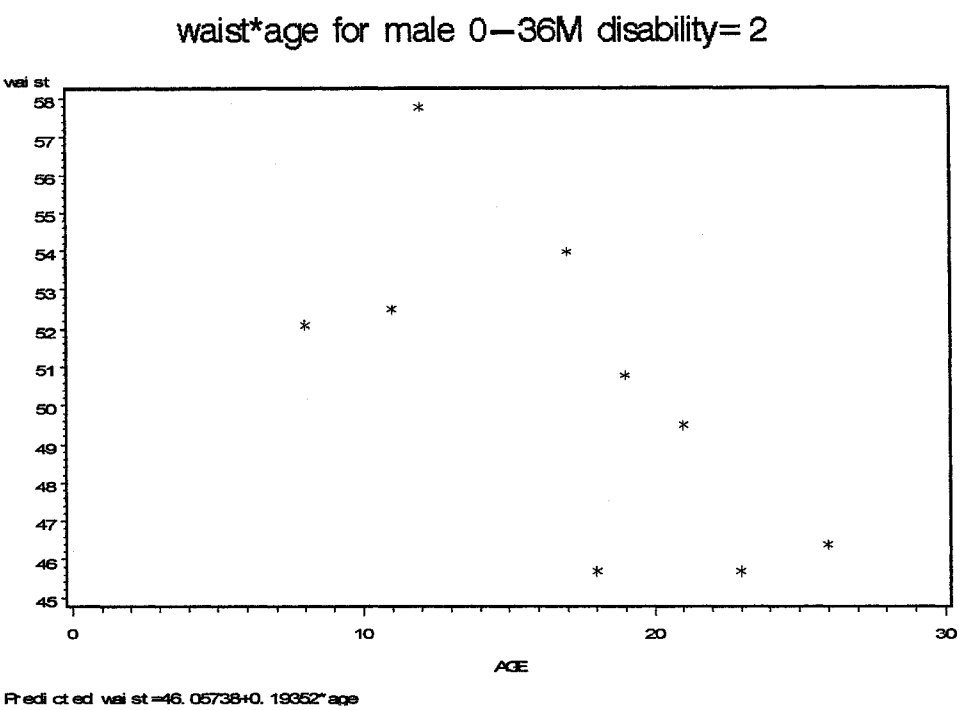
0-21 years females



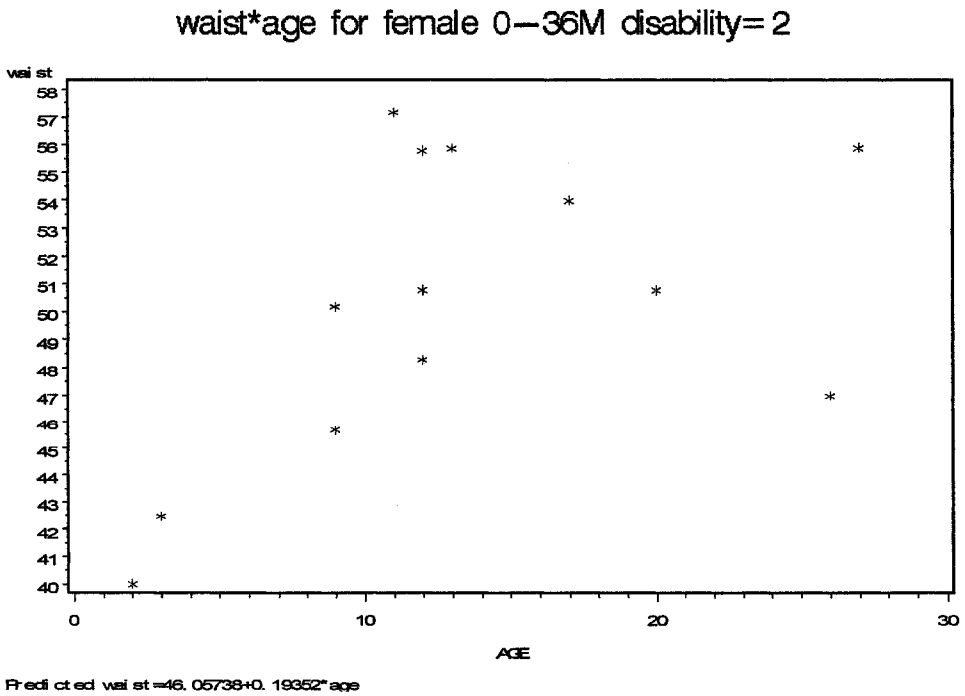
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Waist Circumference to Age

0-36 months males

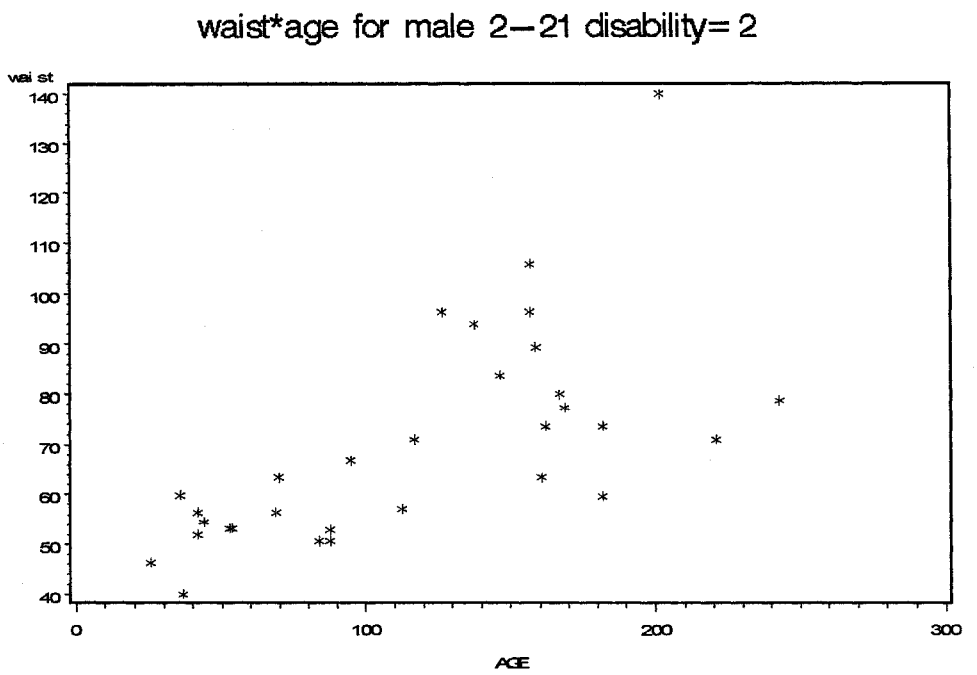


0-36 months females

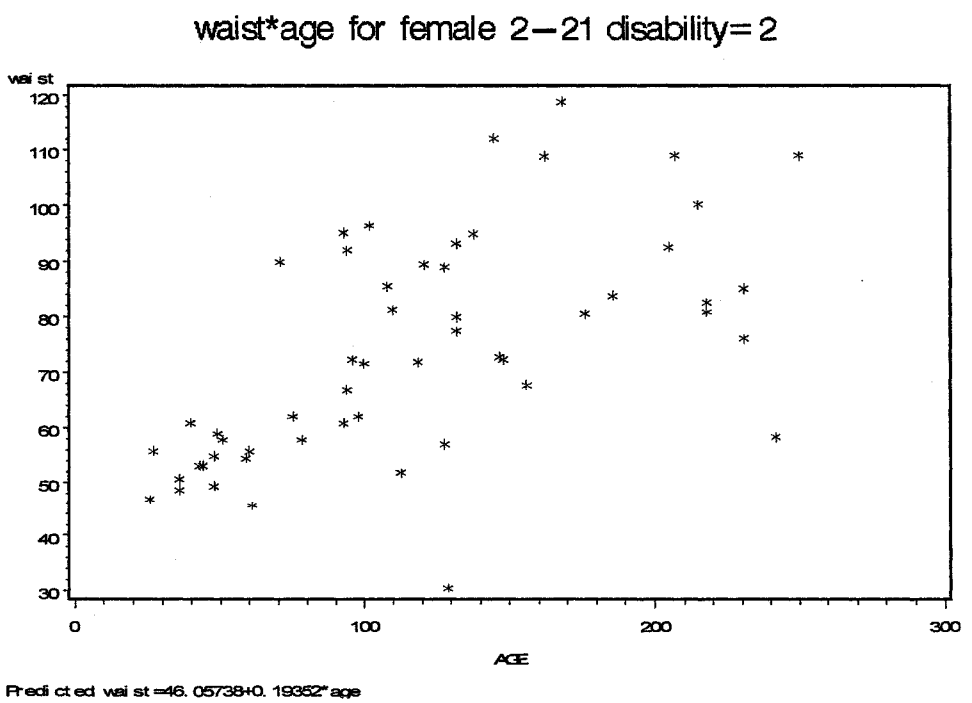


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2-21 years males

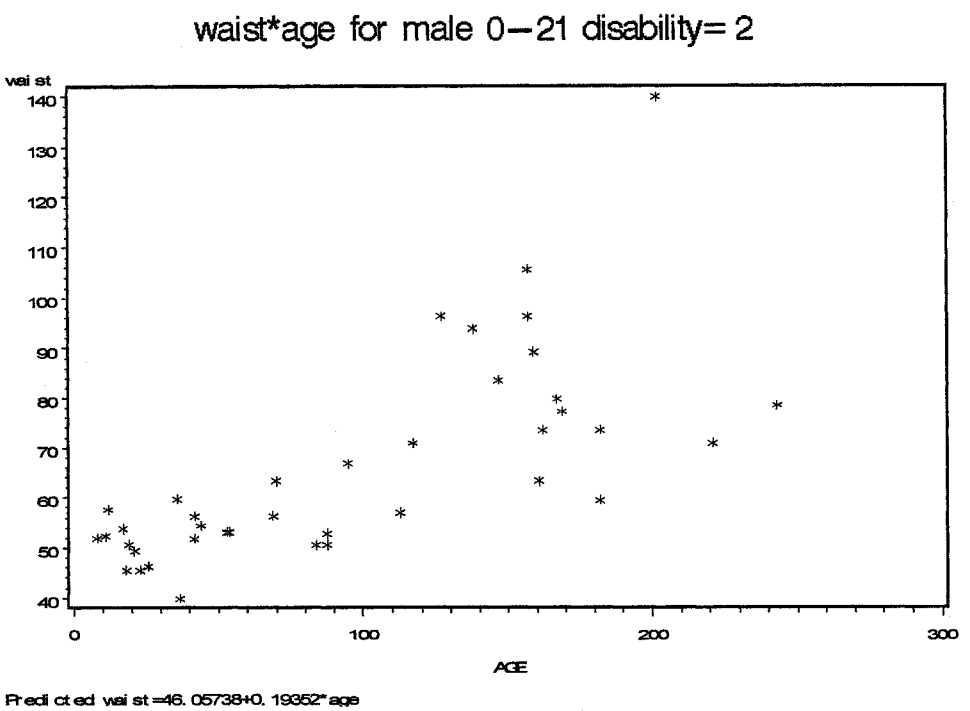


2-21 years females

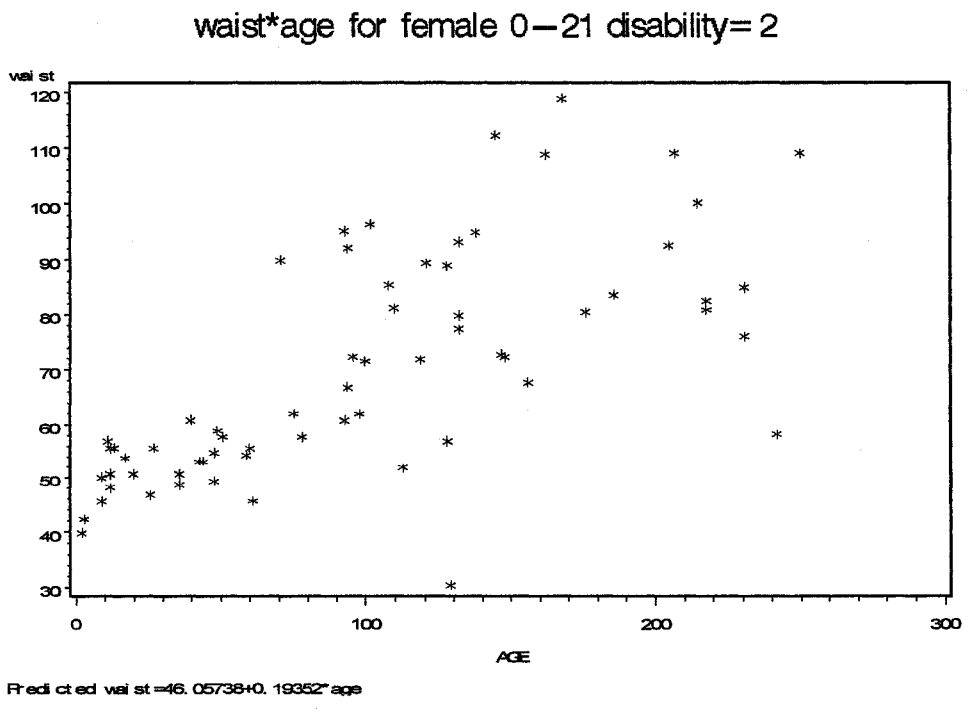


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0-21 years males



0-21 years females



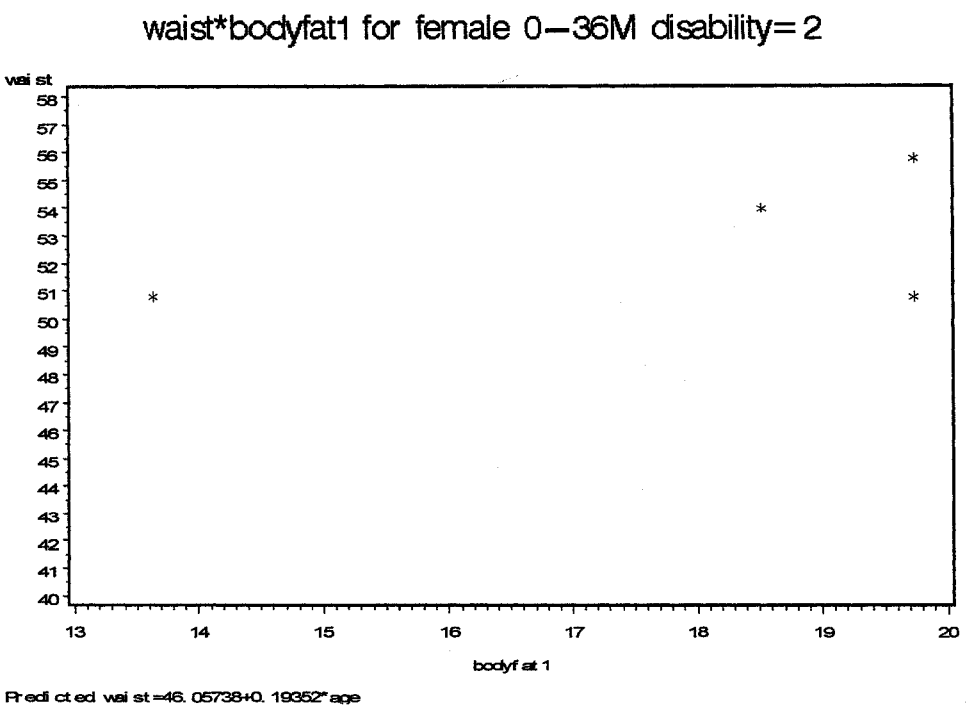
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Waist Circumference to Bodyfat1

0-36 months males

no data point

0-36 months females

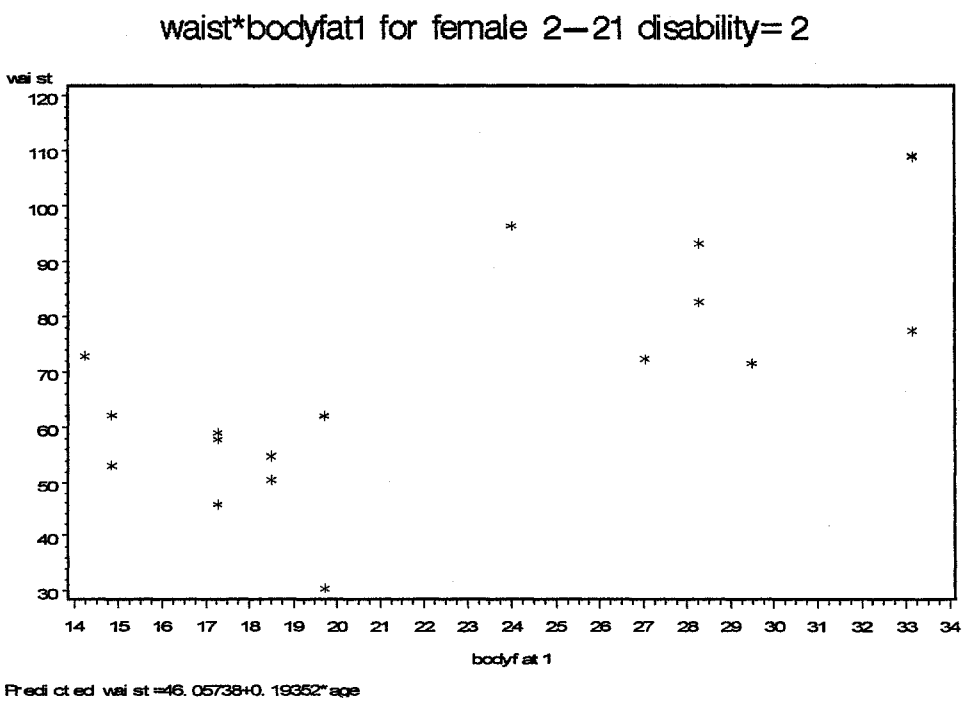


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2-21 years males

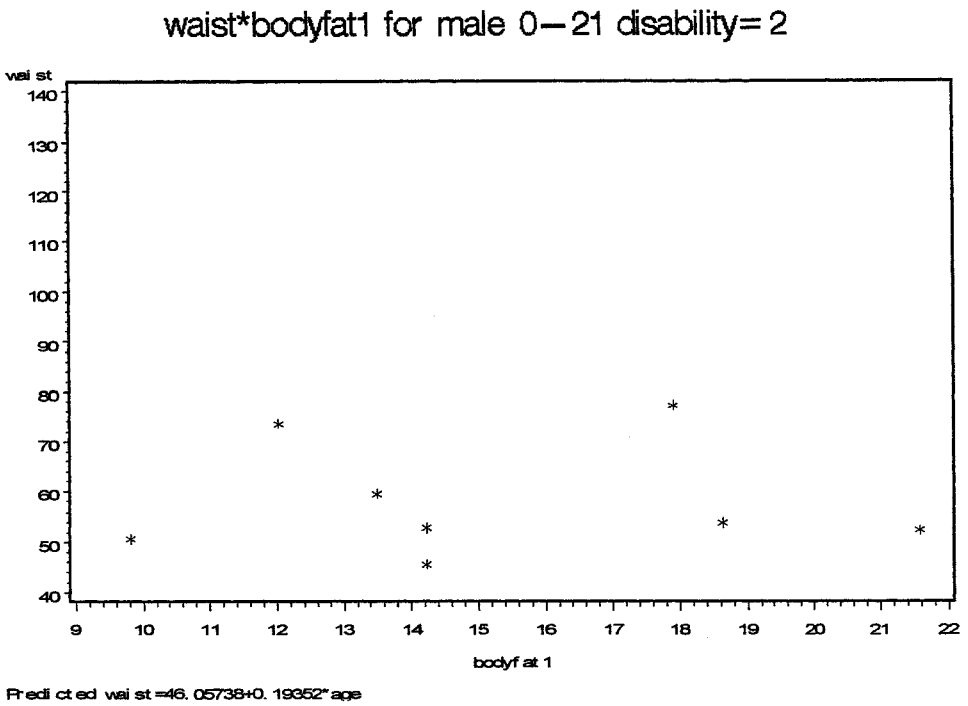


2-21 years females

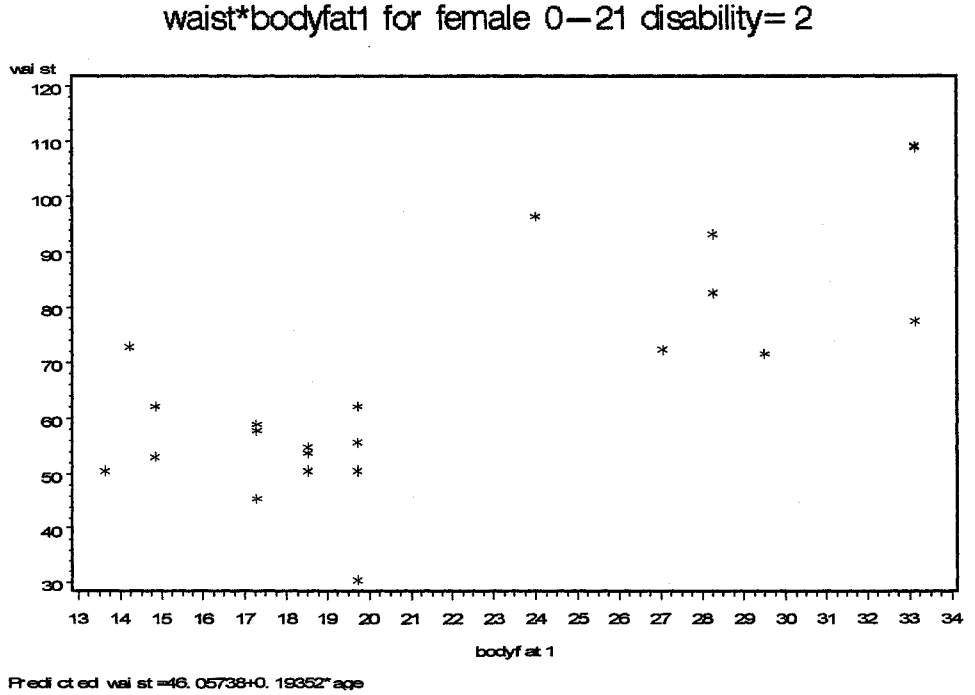


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0-21 years males



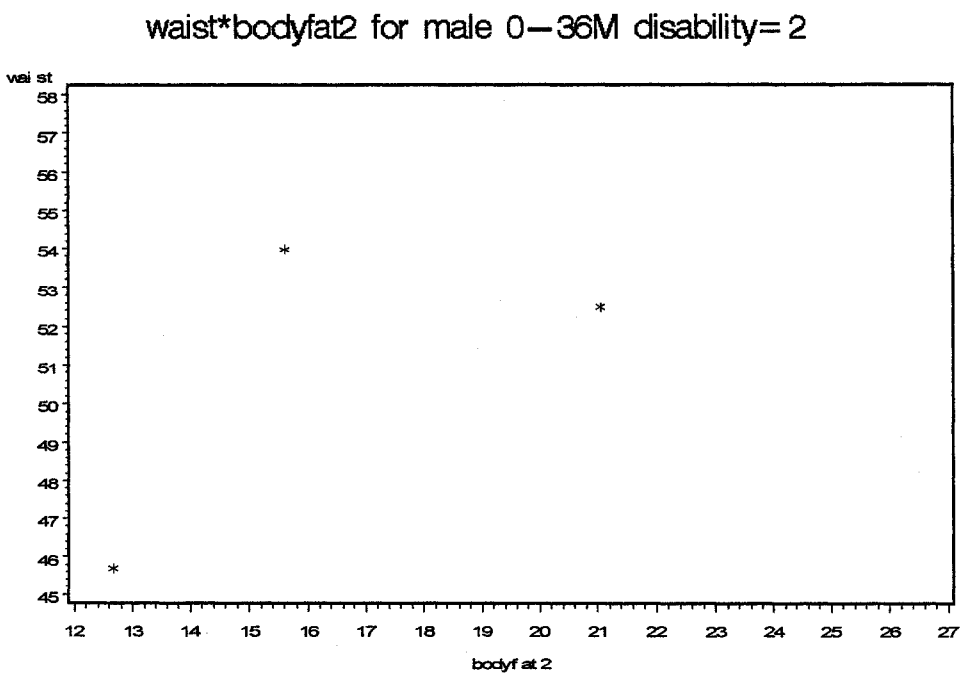
0-21 years females



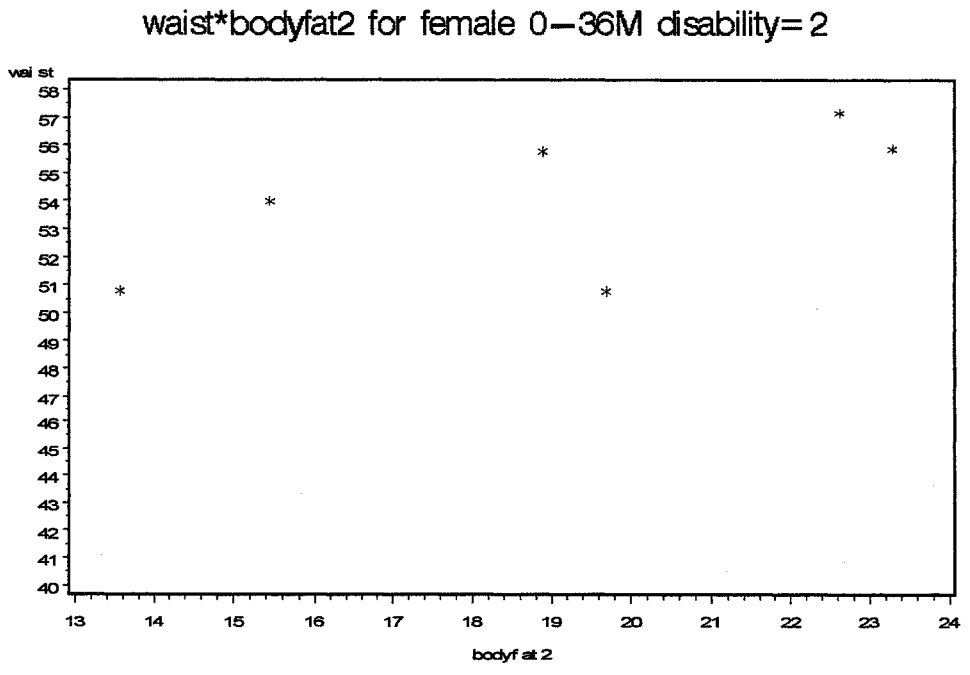
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Waist Circumference to Bodyfat2

0-36 months males



0-36 months females

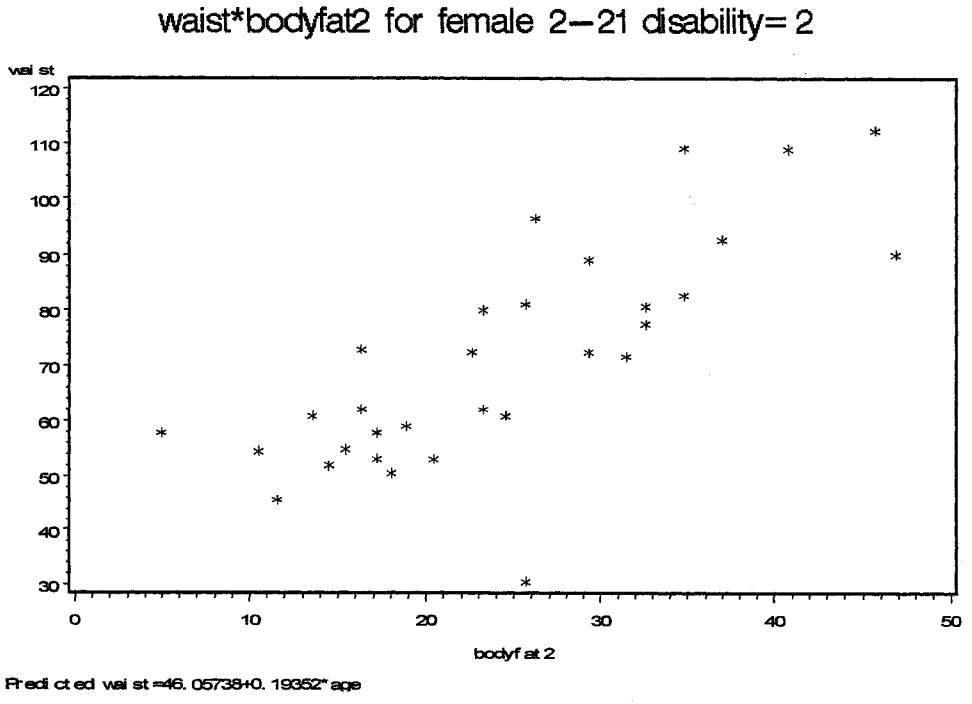


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2-21 years males

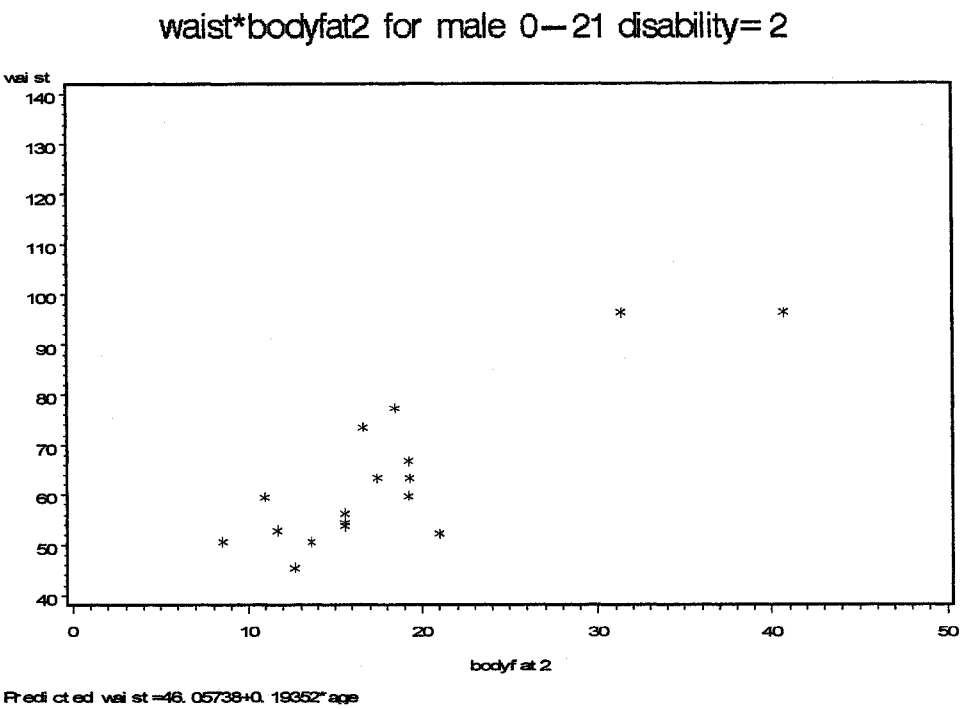


2-21 years females

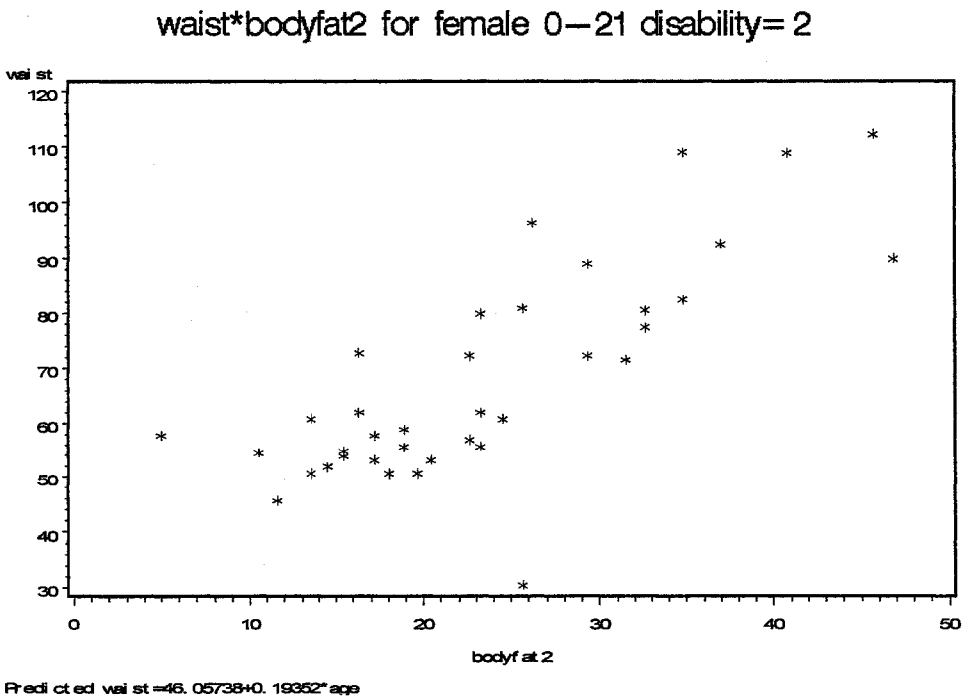


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0-21 years males



0-21 years females



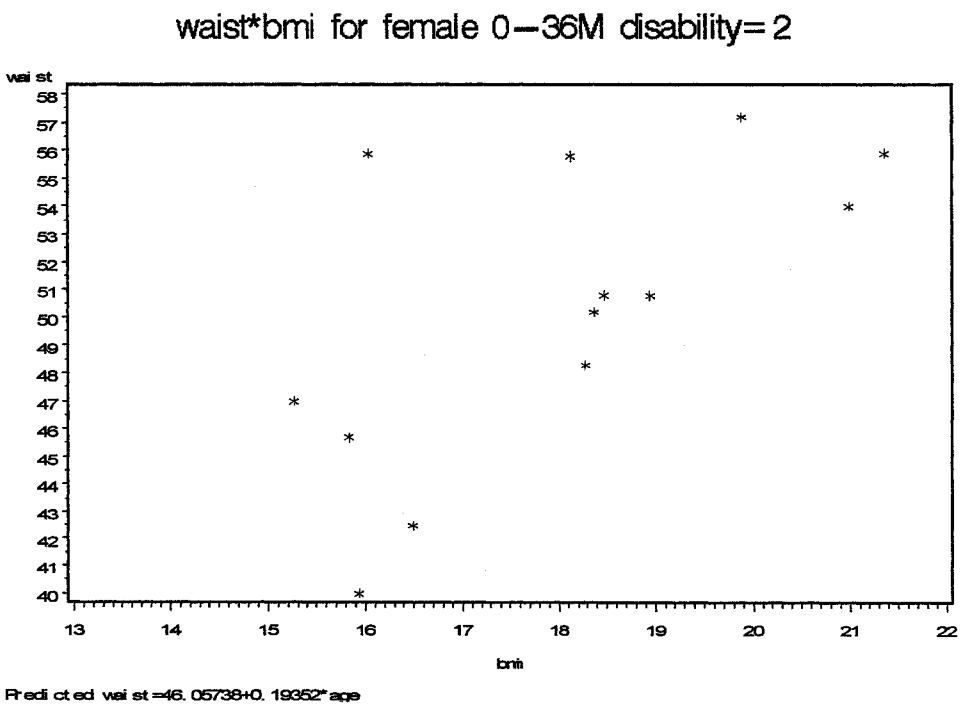
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Waist Circumference to Body Mass Index

0-36 months males

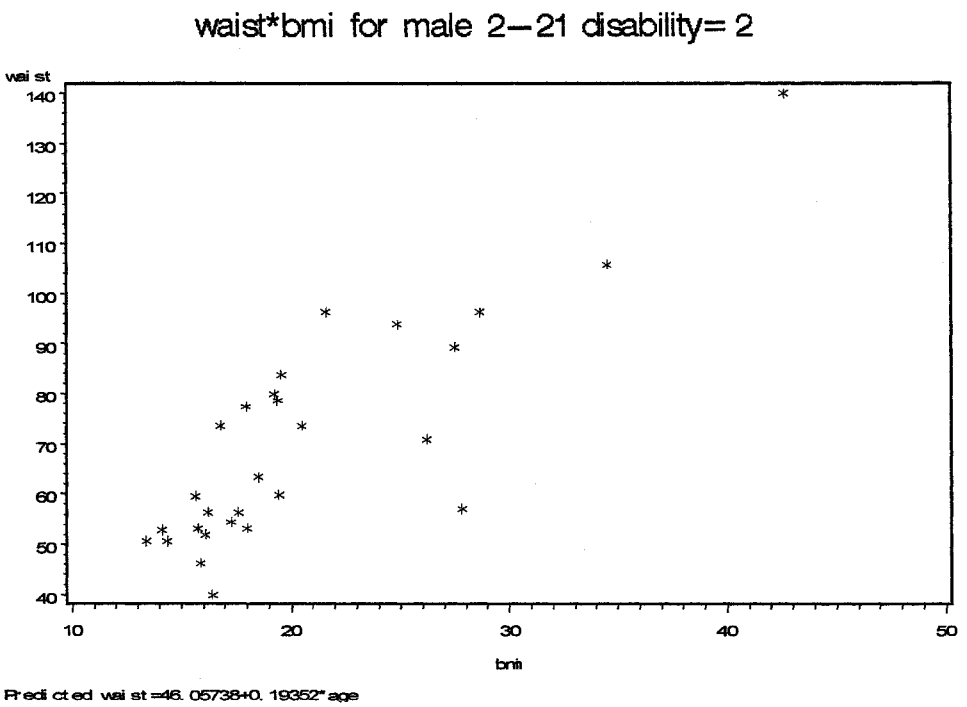
no data

0-36 months females

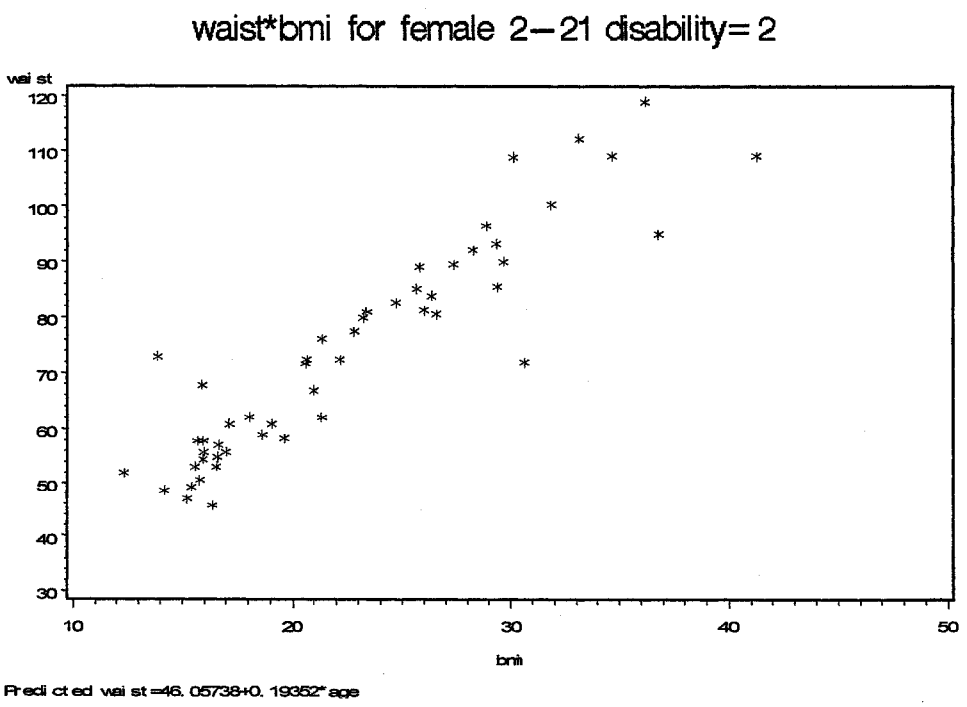


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2-21 years males

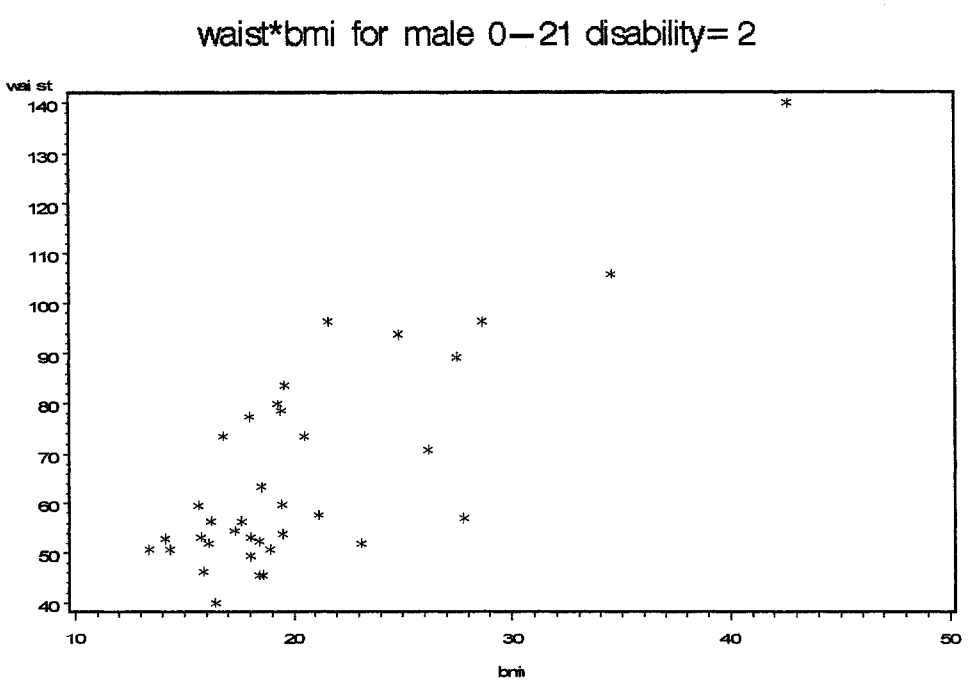


2-21 years females

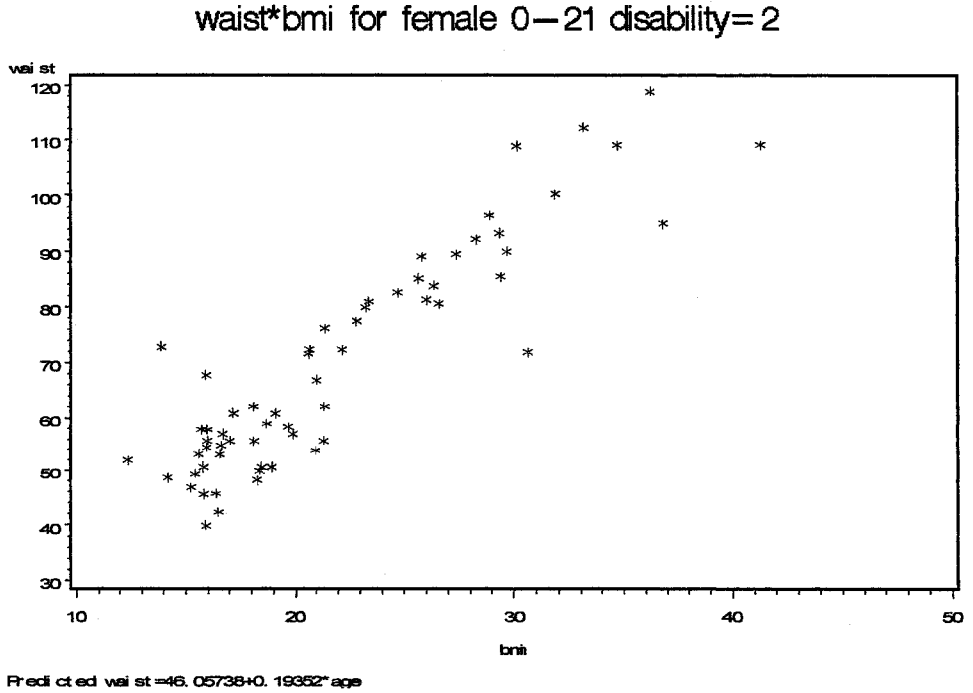


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0-21 years males



0-21 years females



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APPENDIX I (cont)

RESTRICTED CUBIC SPLINE CHARTS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
DISABILITY POPULATION
SEPARATED DATA

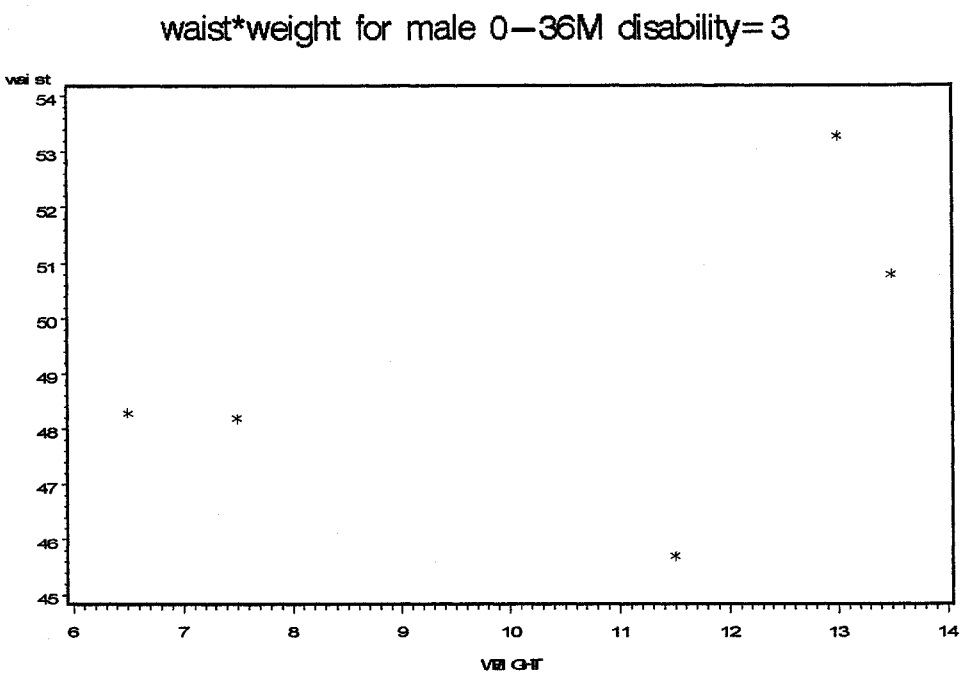
3=DOWN SYNDROME

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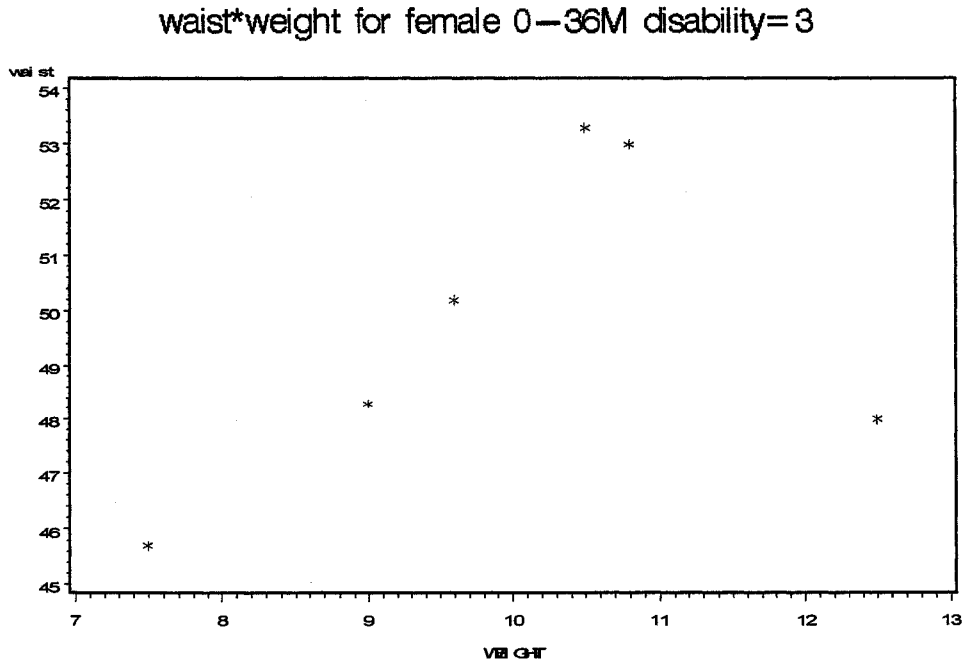
Disabilty Population (each disability separated; disability column all 3's)
DOWN SYNDROME

Waist Circumference to Weight

0-36 months males

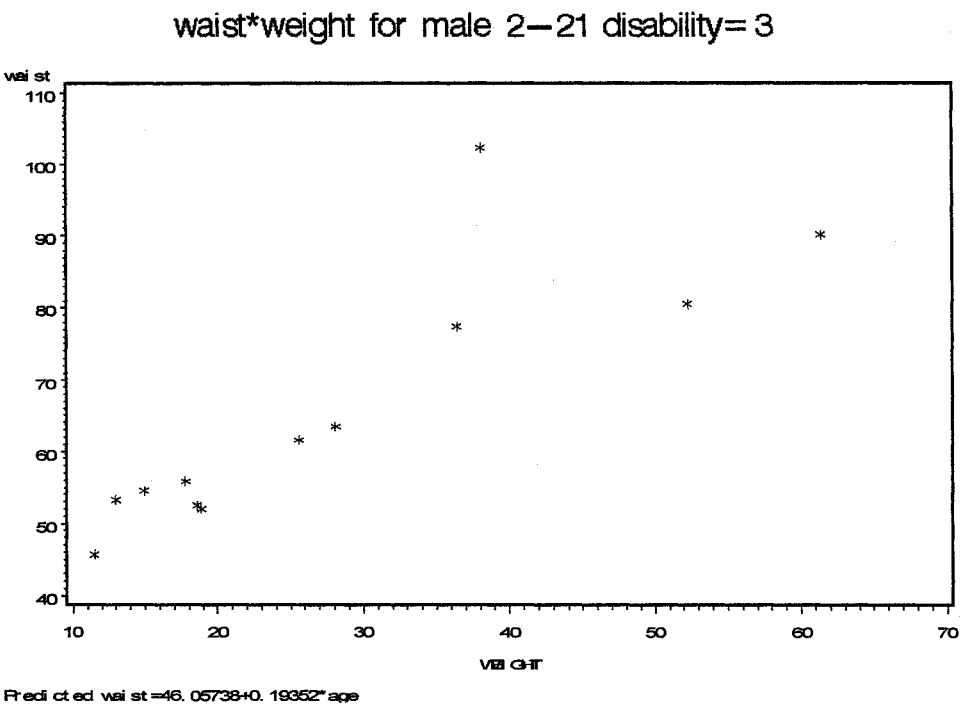


0-36 months females

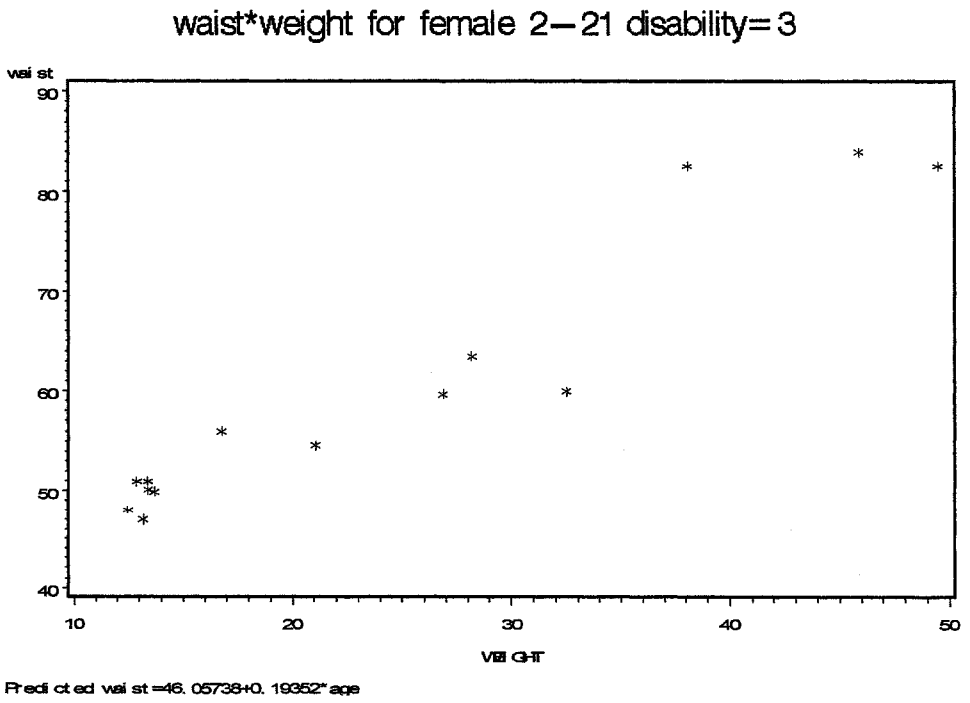


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2-21 years males

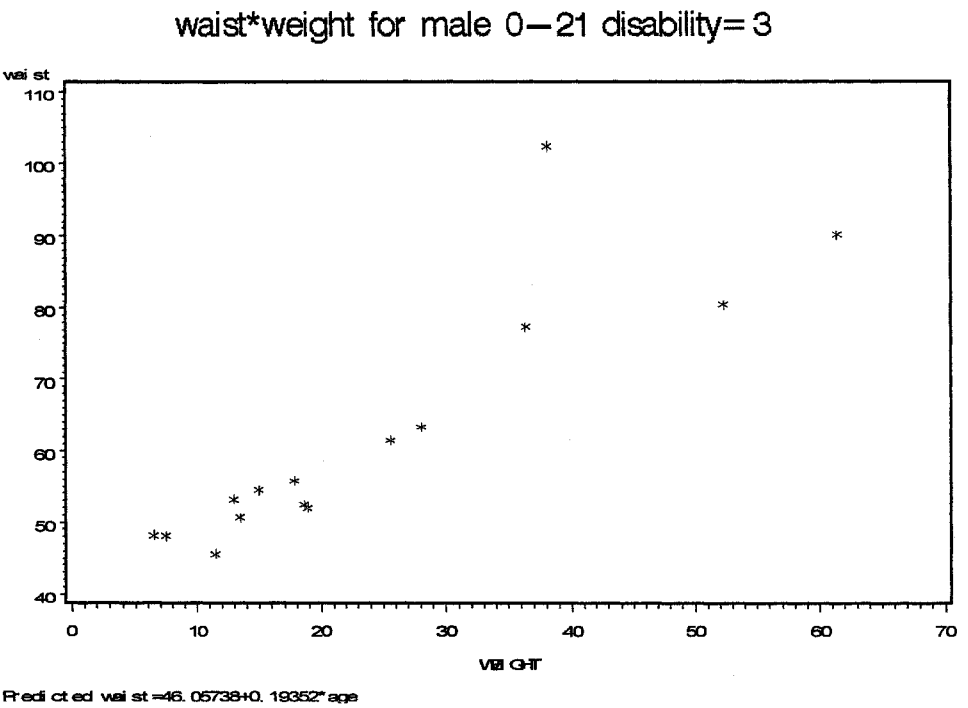


2-21 years females

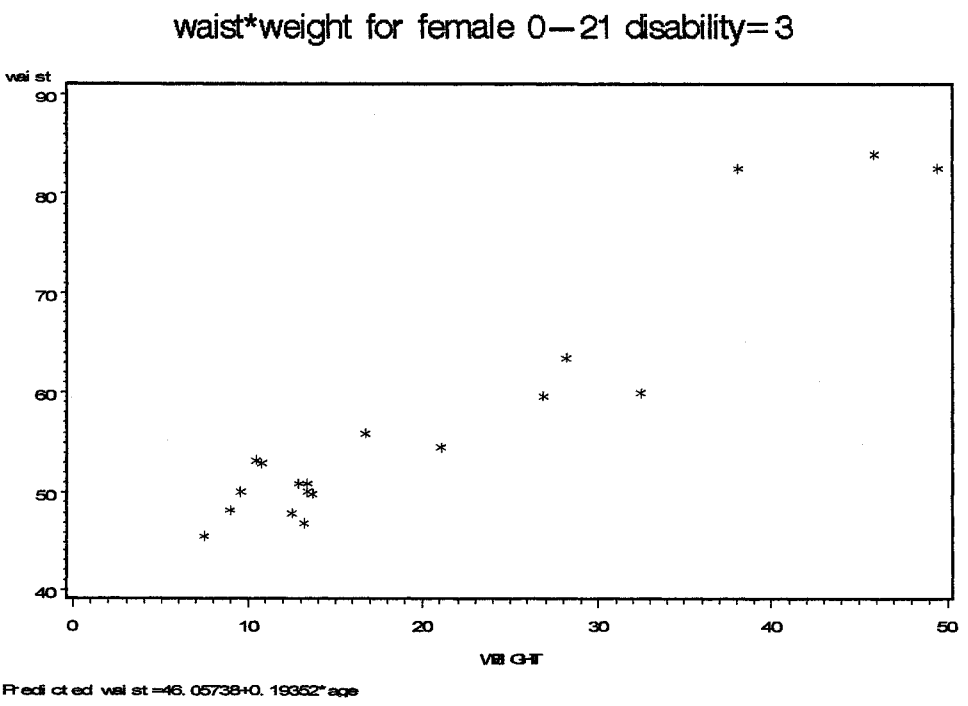


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0-21 years males



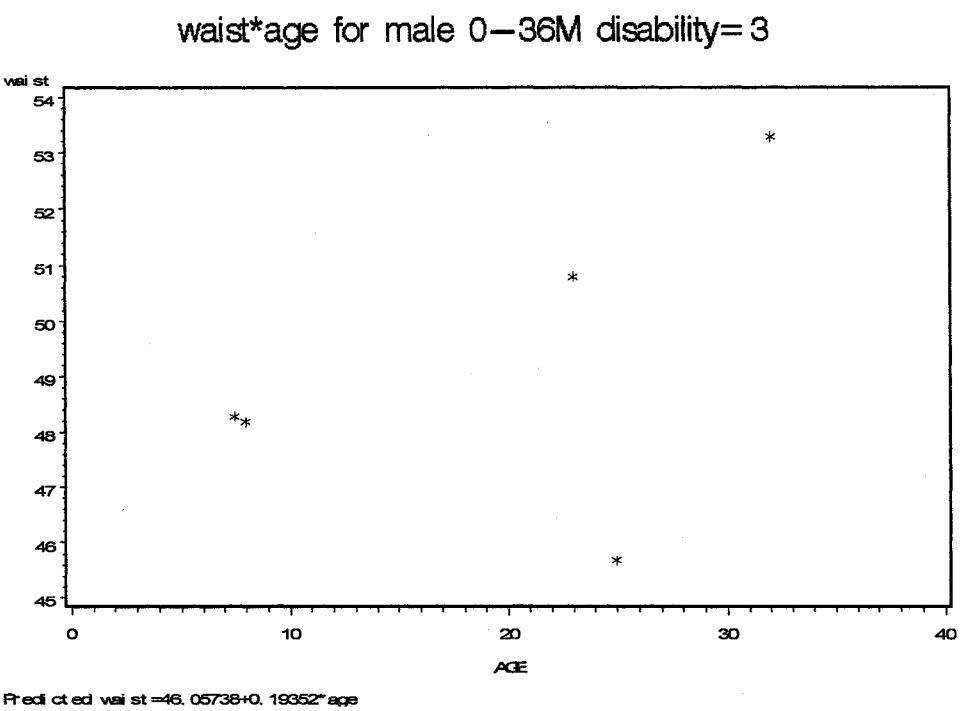
0-21 years females



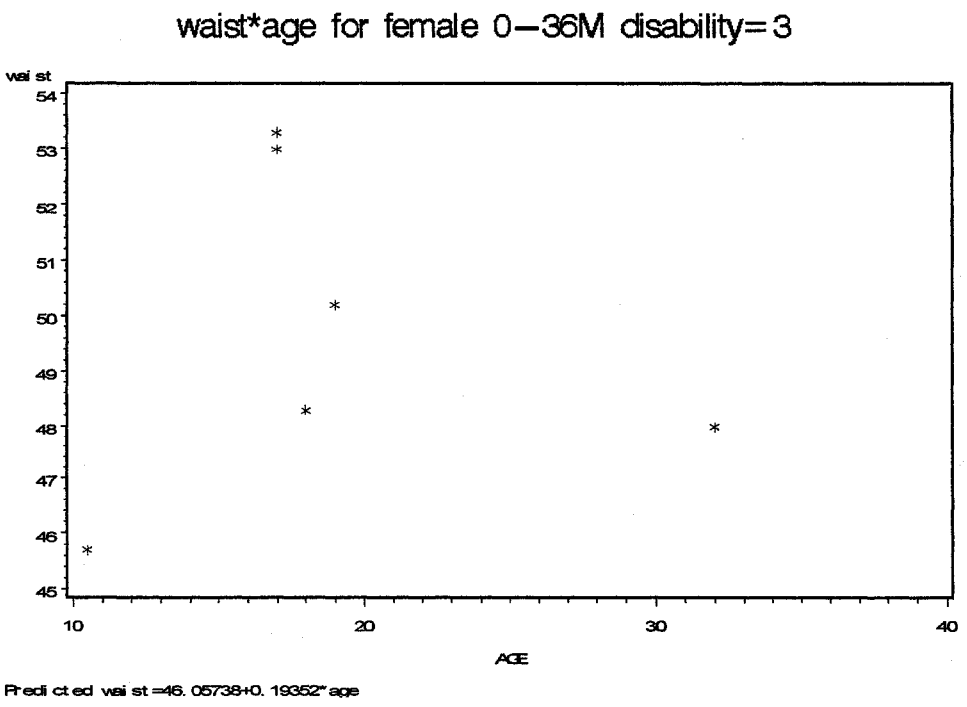
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Waist Circumference to Age

0-36 months males

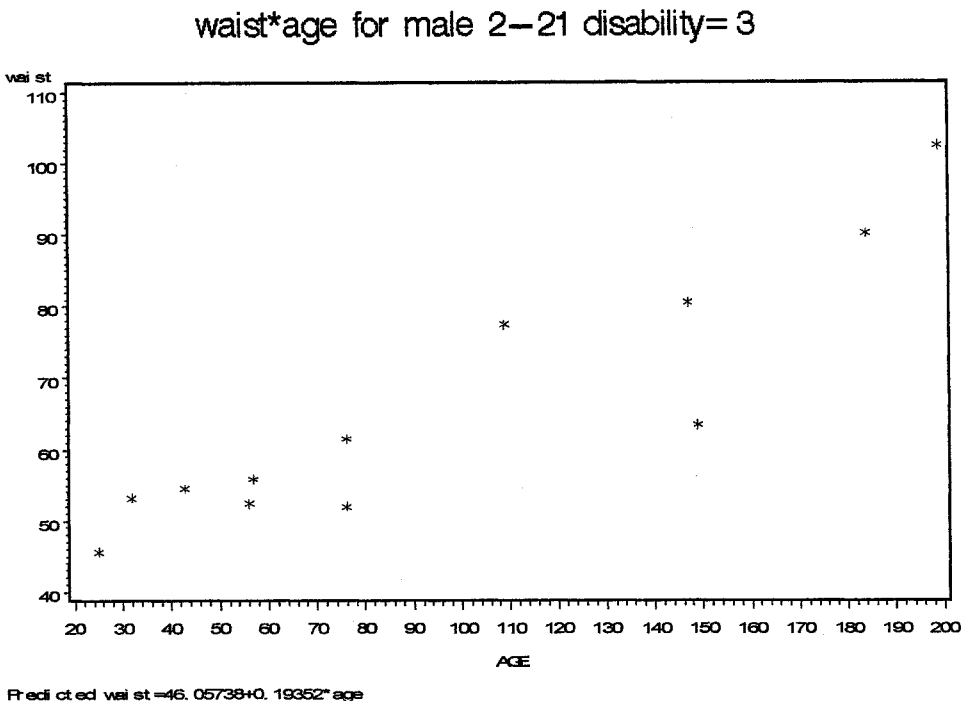


0-36 years females

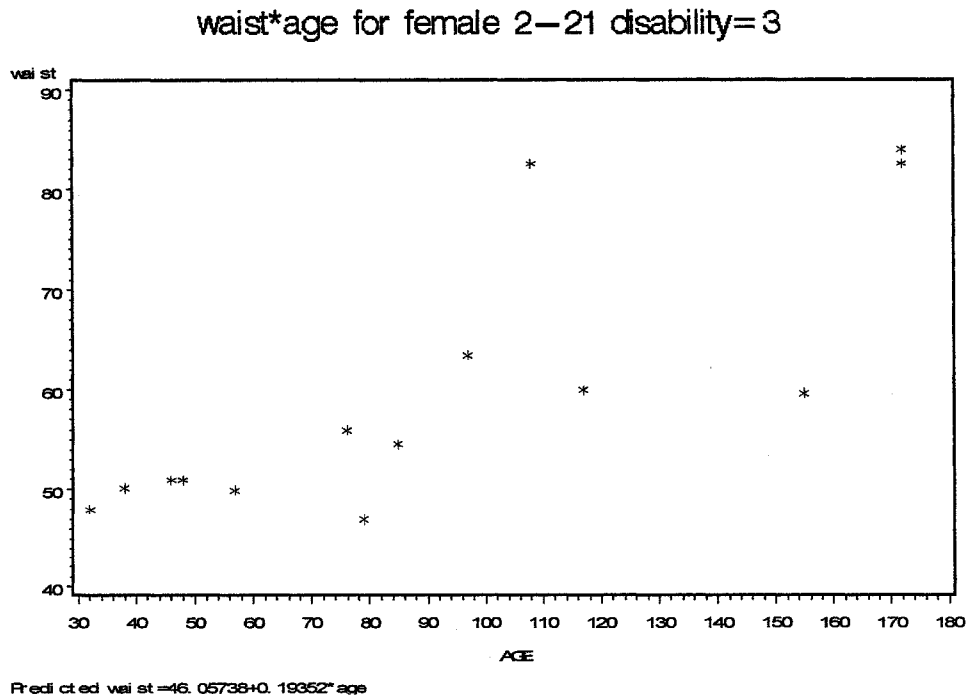


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2-21 years males

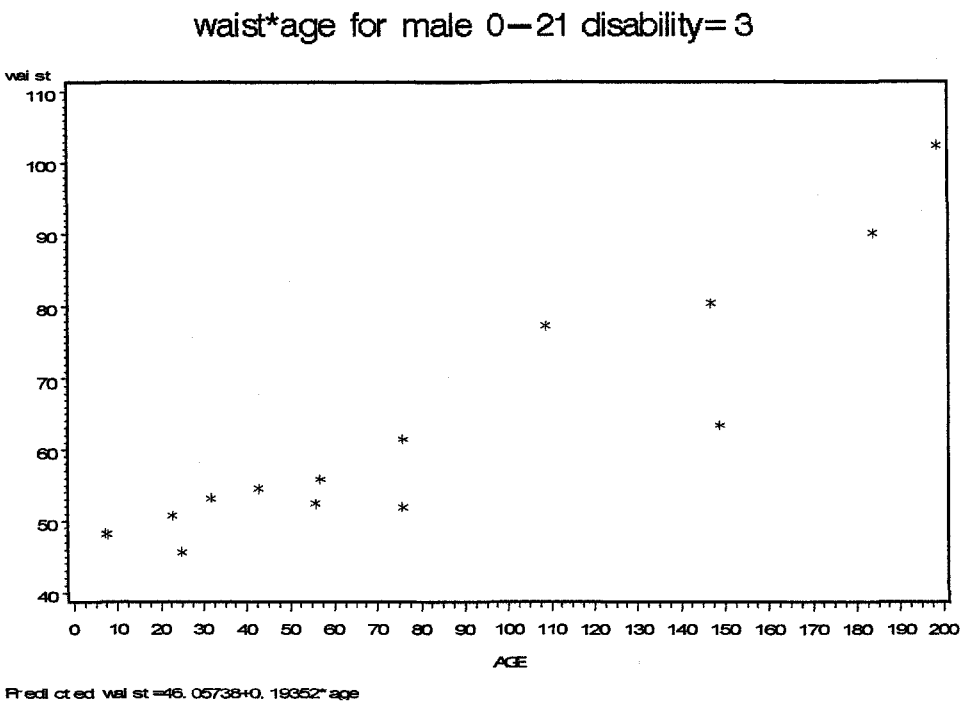


2-21 years females

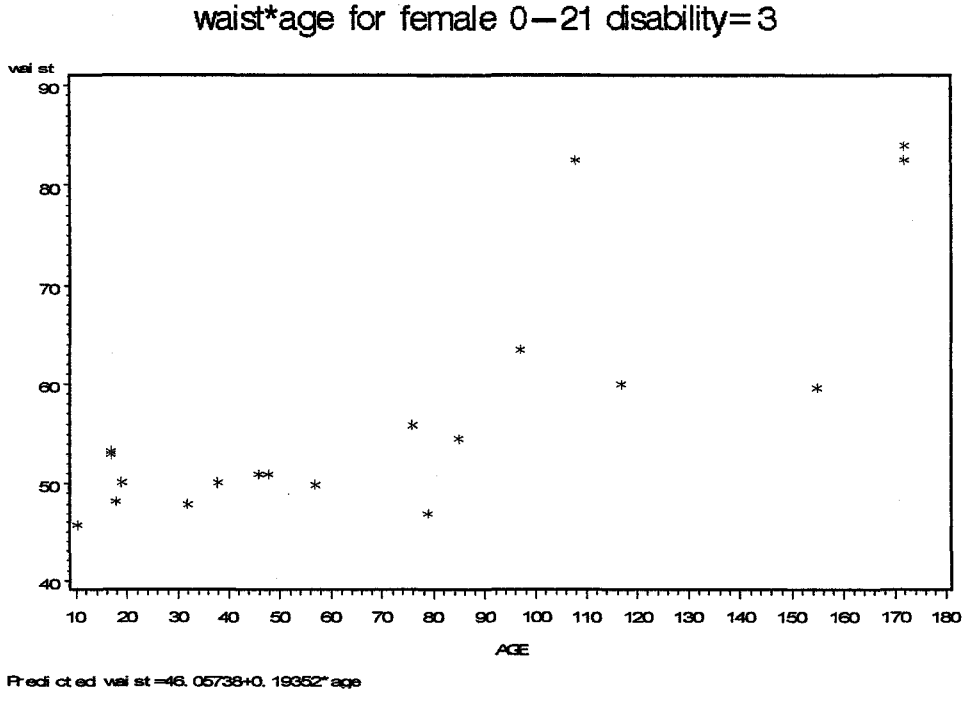


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0-21 years males



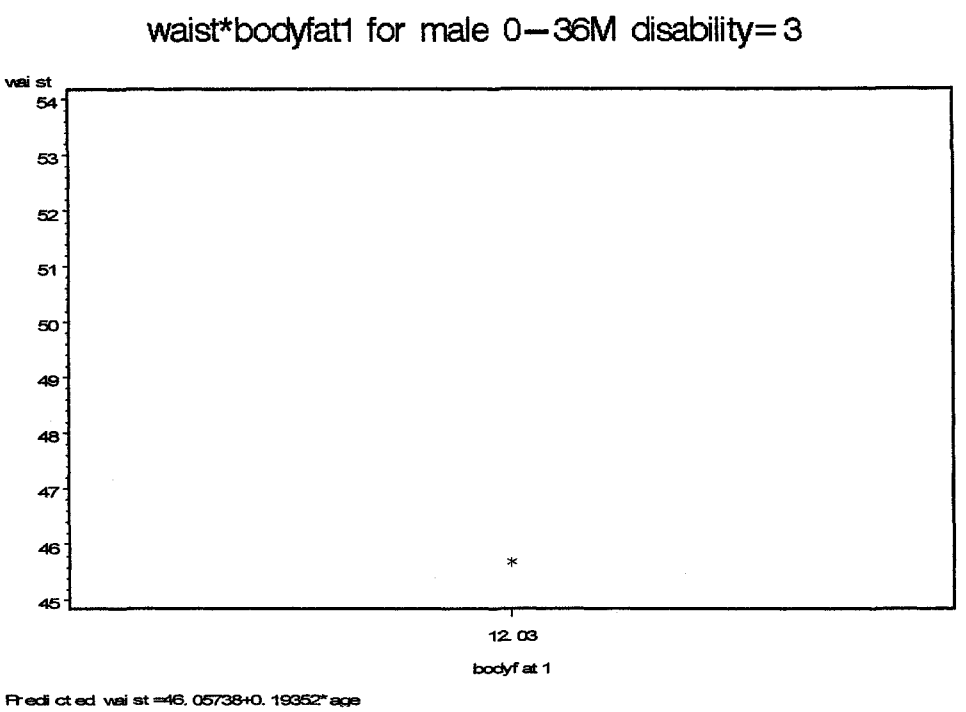
0-21 years females



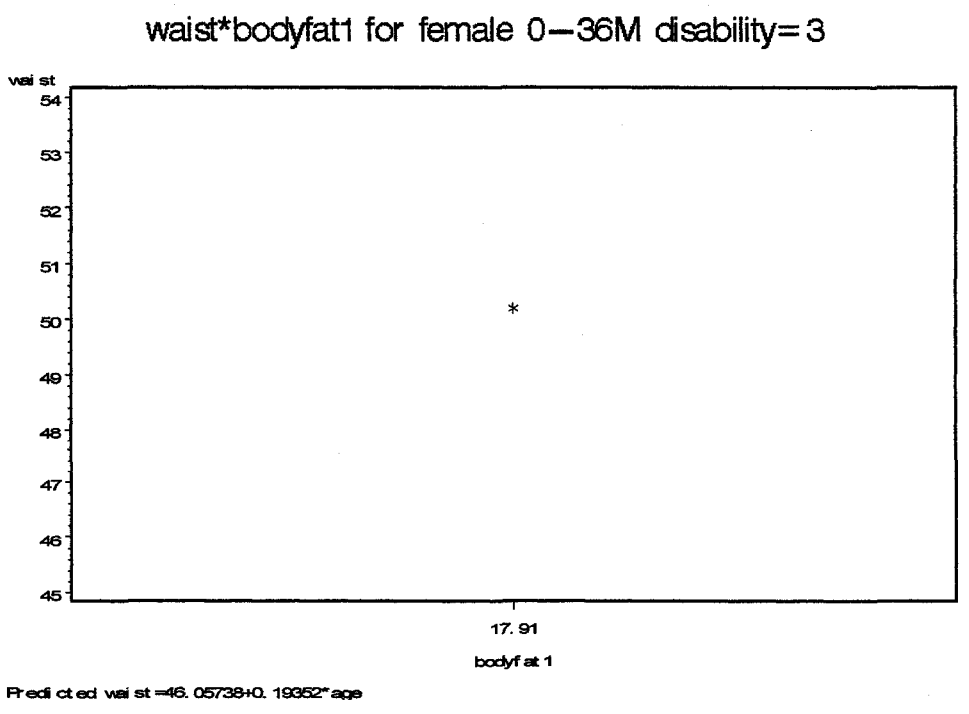
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Waist Circumference to Bodyfat1

0-36 months males

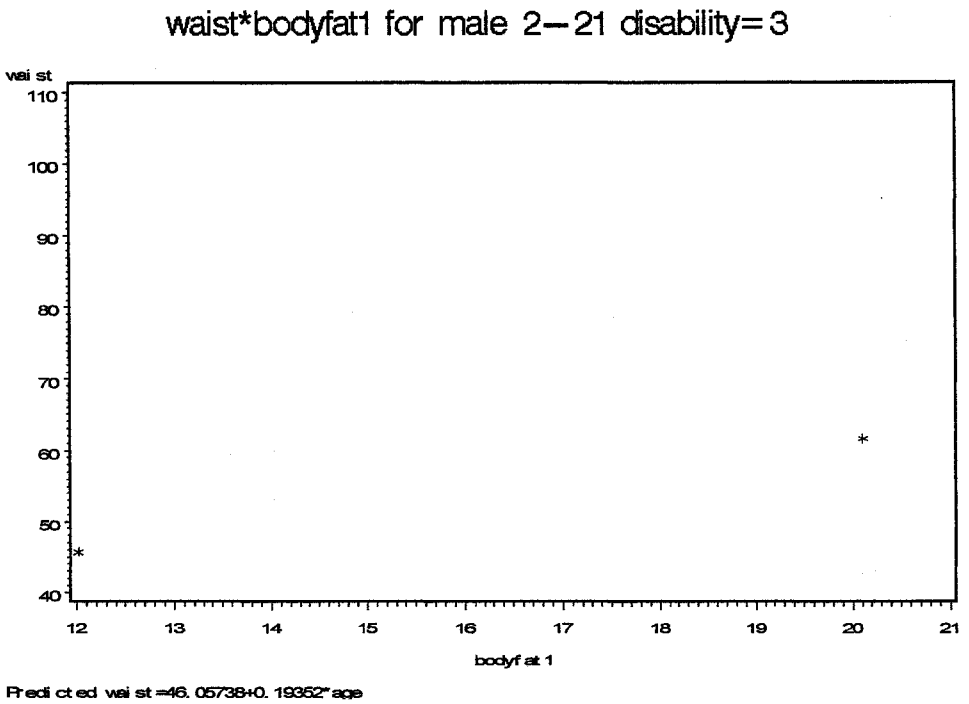


0-36 months females

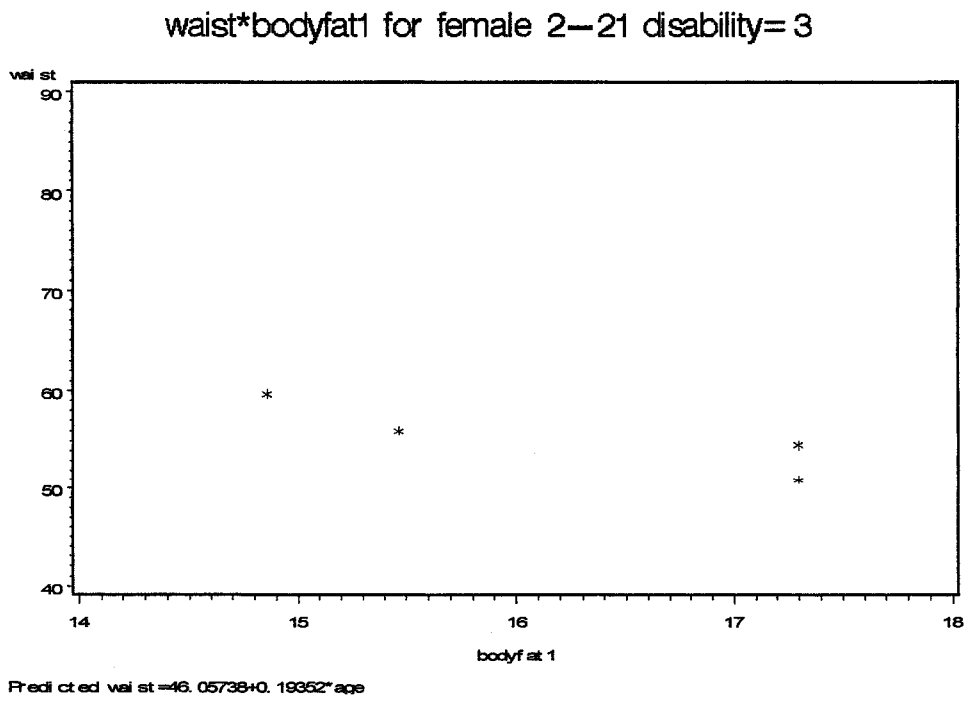


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2-21 years males



2-21 years females

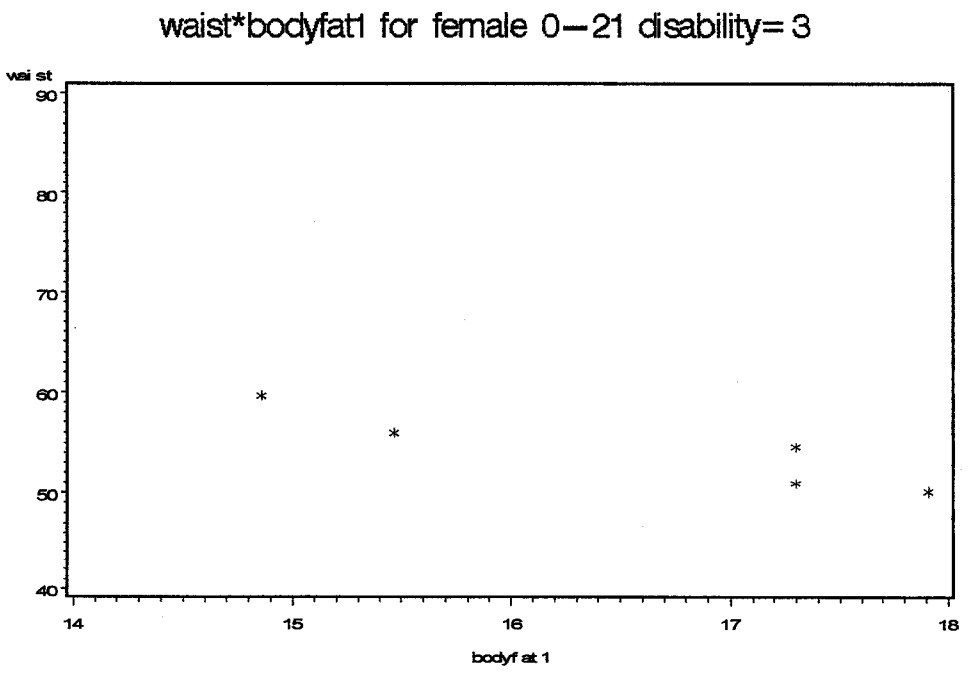


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0-21 years males



0-21 years females



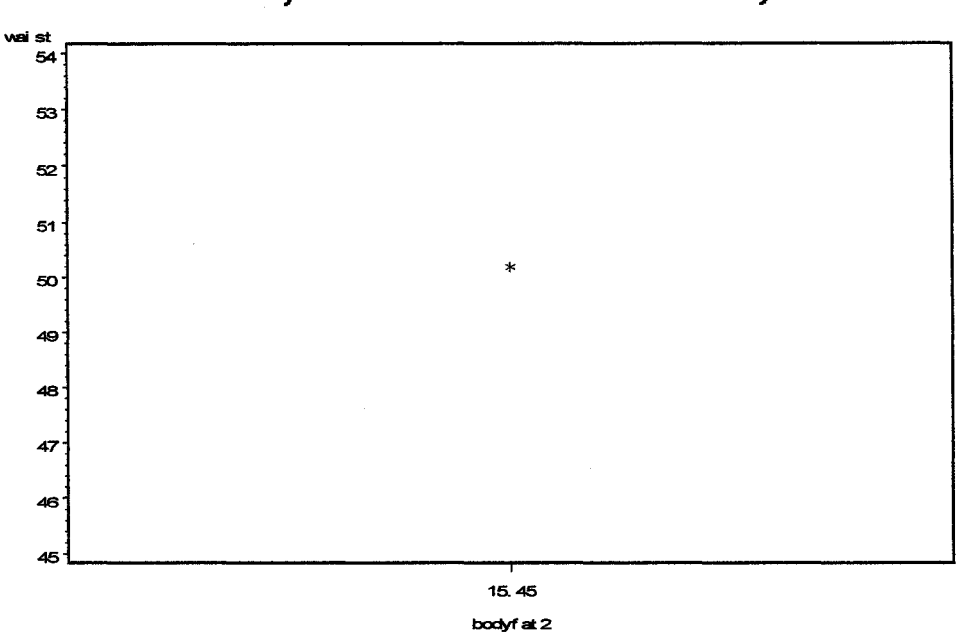
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Waist Circumference to Bodyfat2

0-36 months males

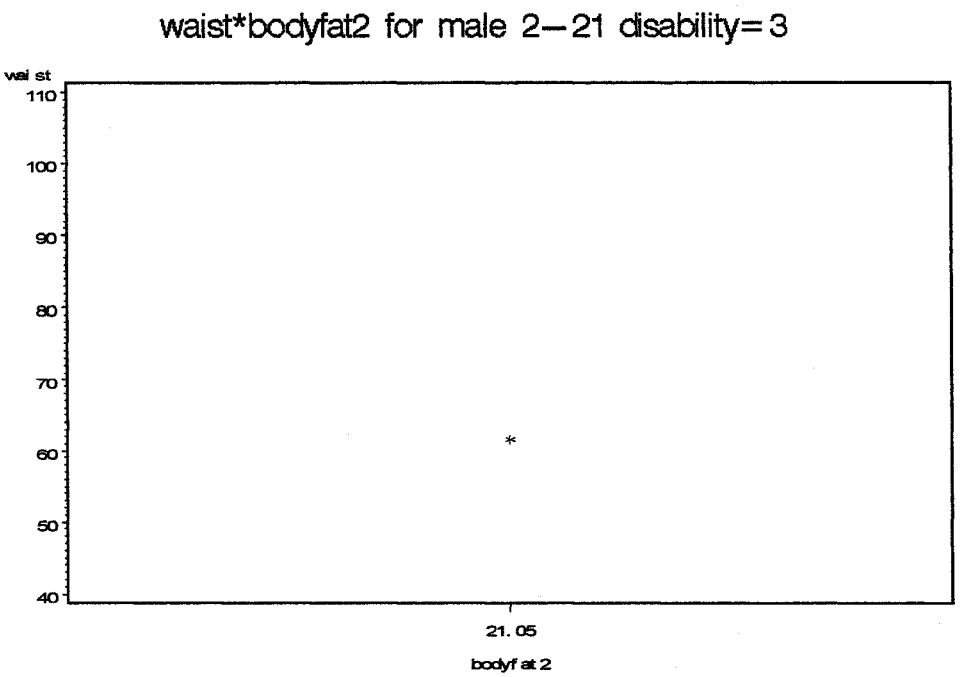
no data

0-36 months females

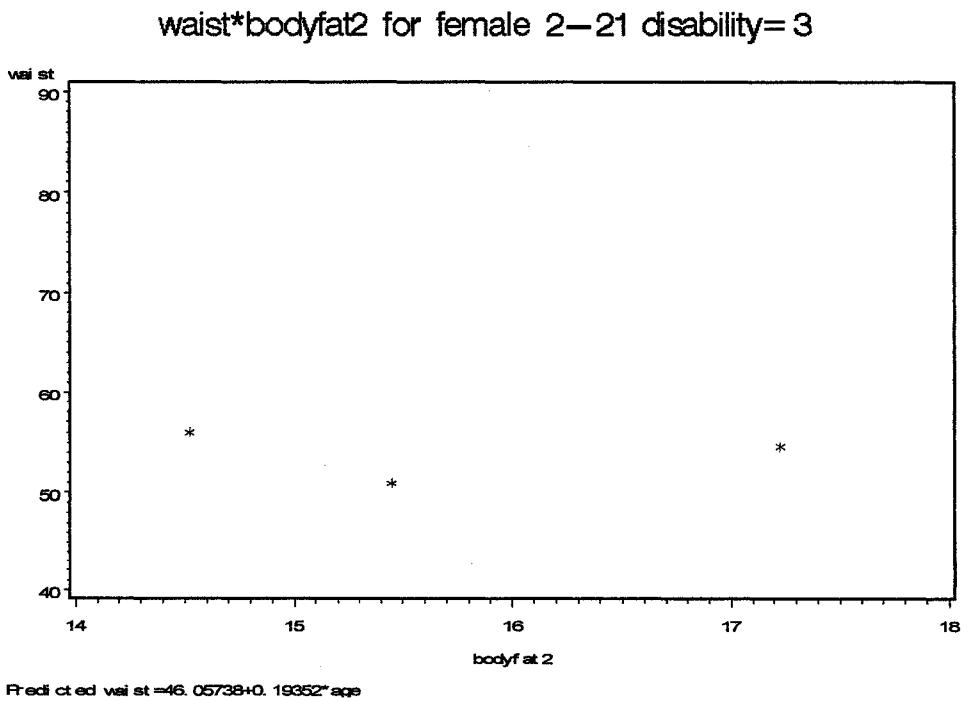


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2-21 years males

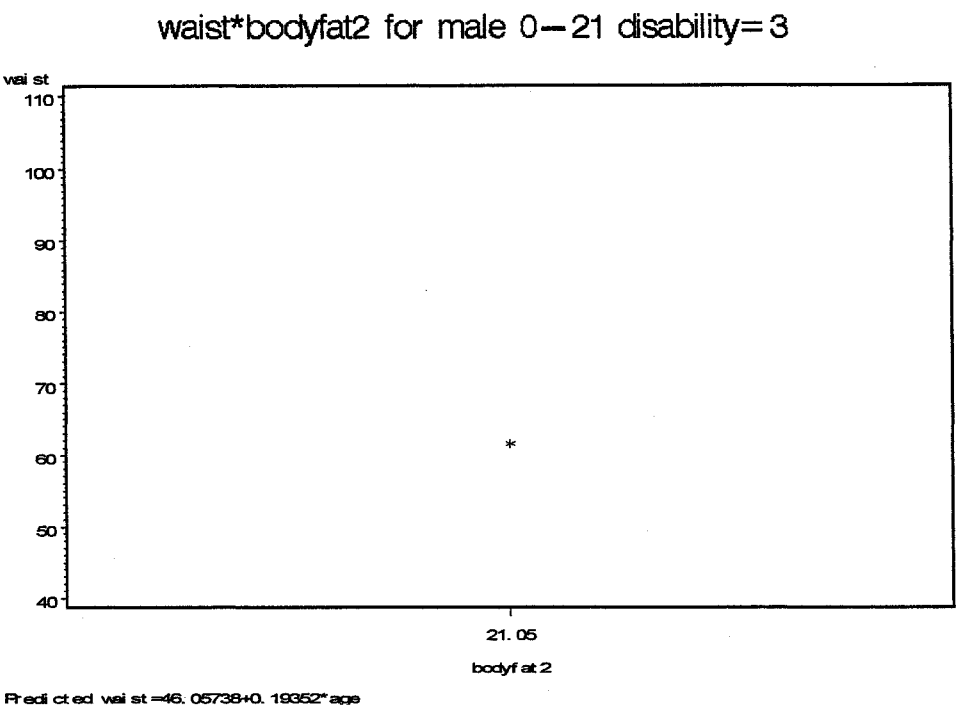


2-21 years females

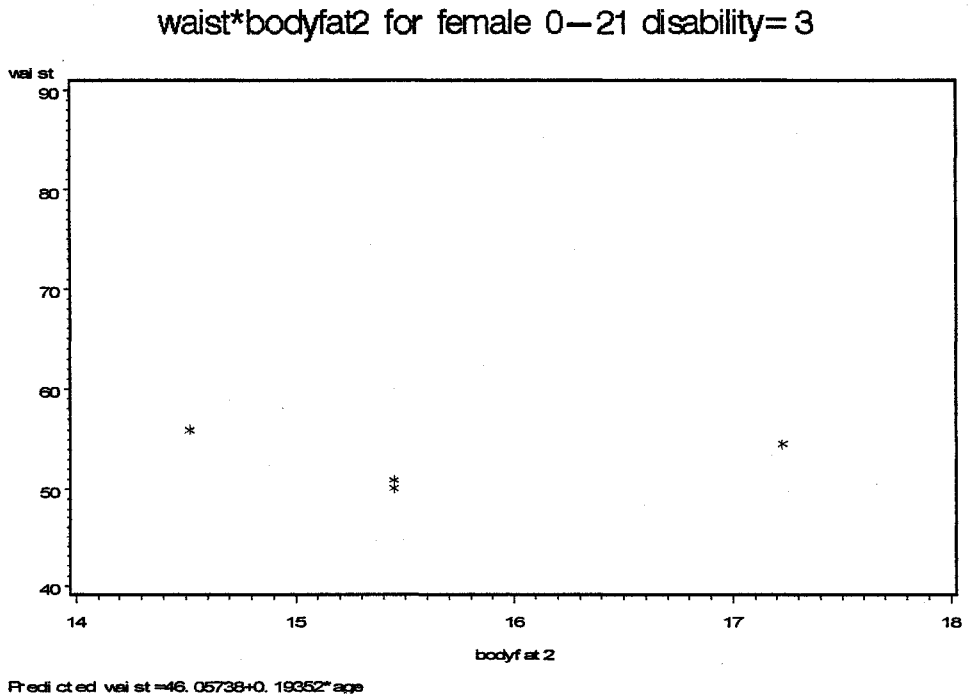


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0-21 years males



0-21 years females



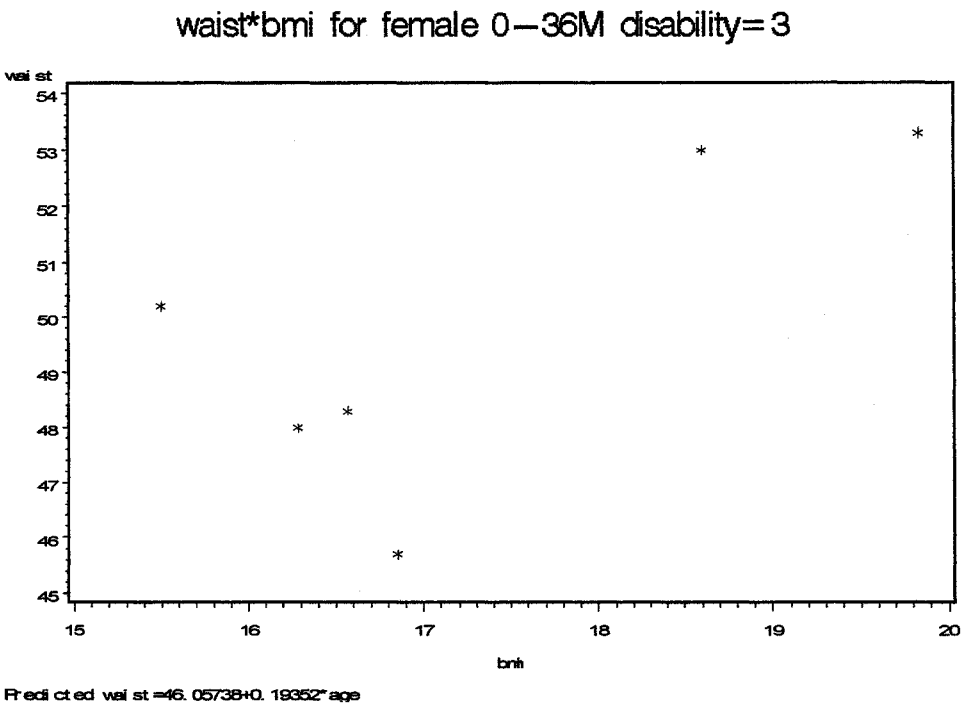
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Waist Circumference to Body Mass Index

0-36 months males

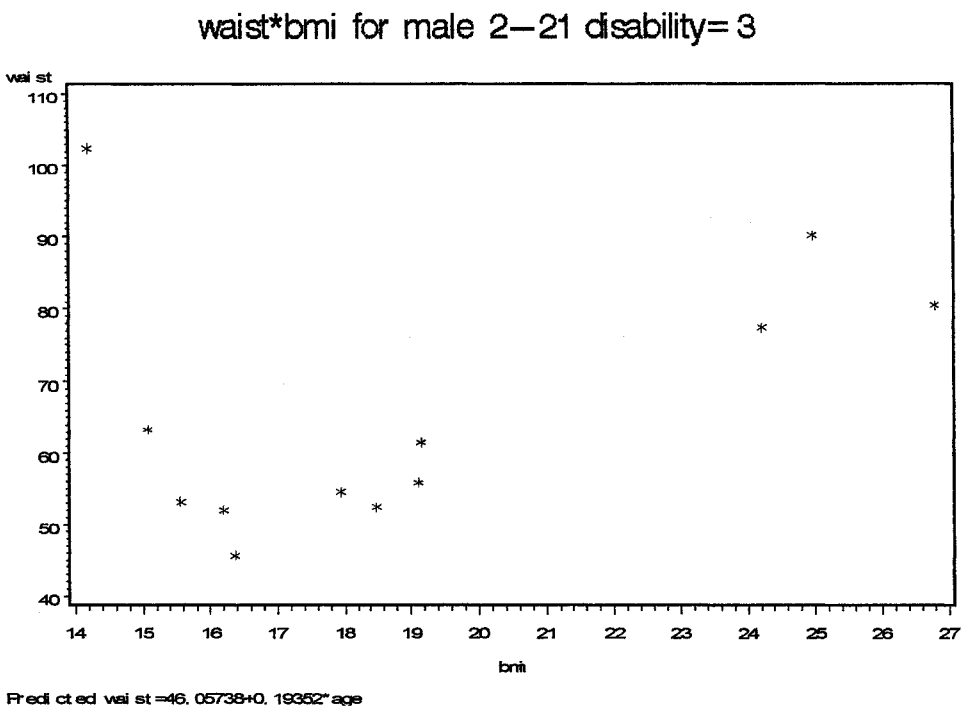
no data

0-36 months females

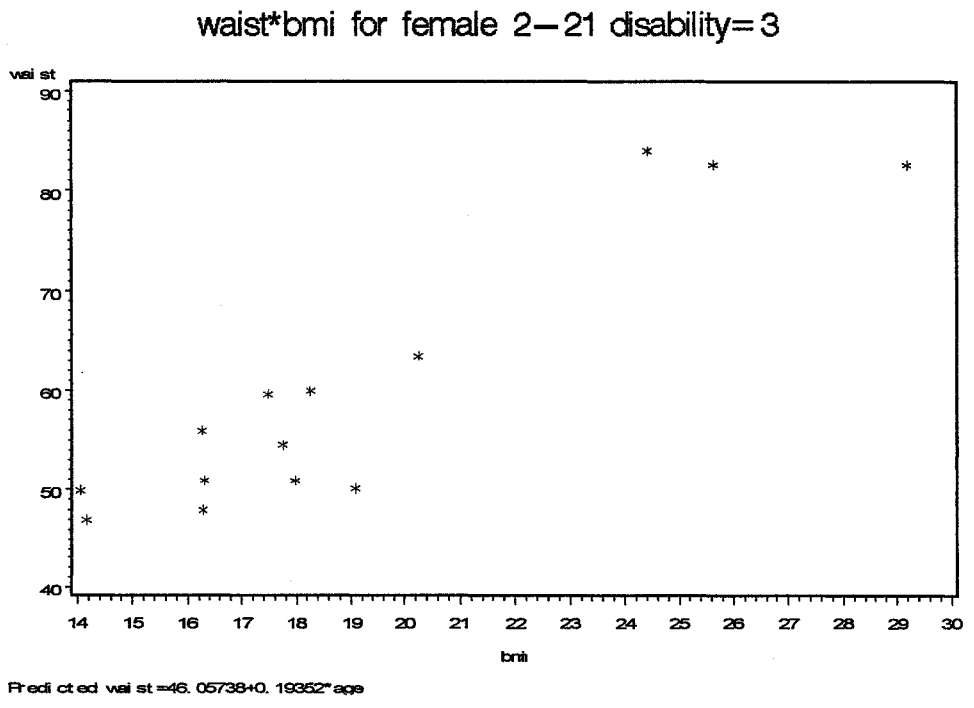


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2-21 years males

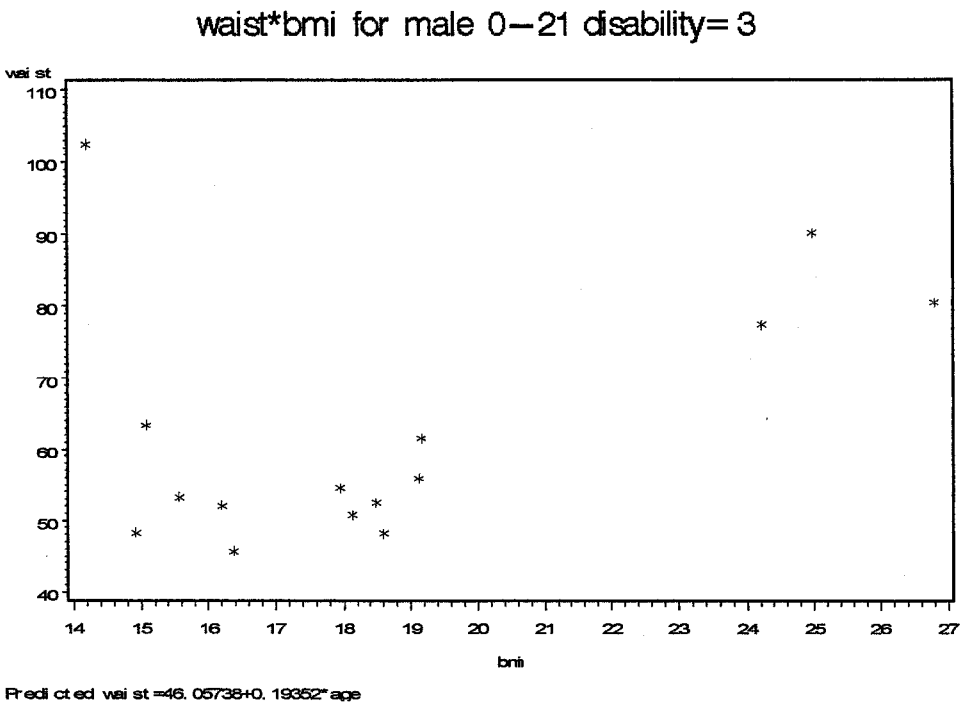


2-21 years females

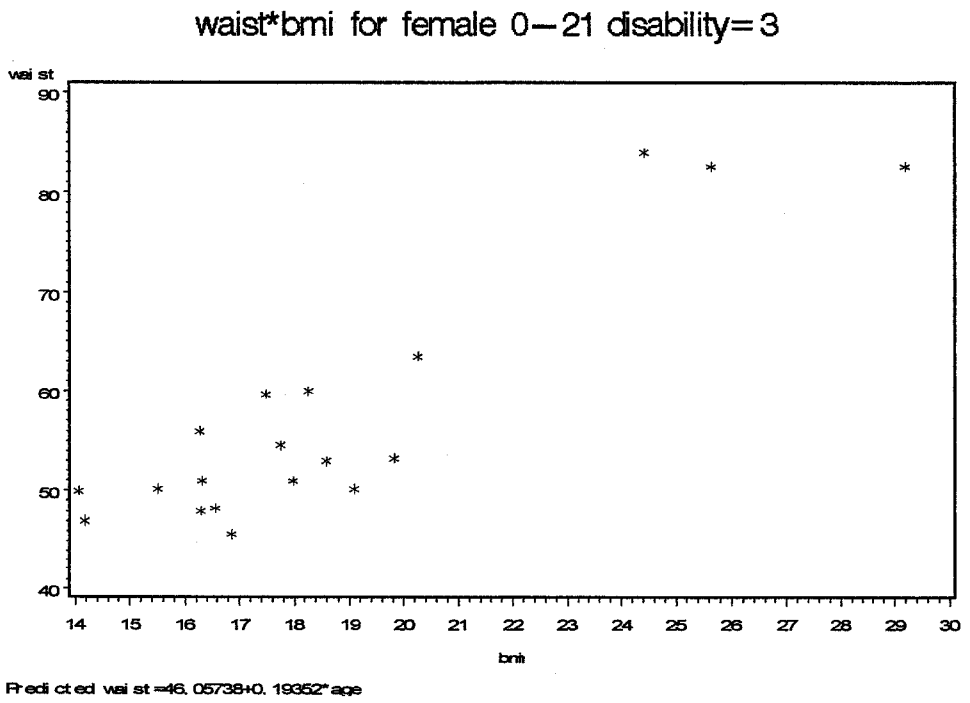


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0-21 years males



0-21 years females



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RESTRICTED CUBIC SPLINE CHARTS
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
DISABILITY POPULATION
SEPARATED DATA

4=CEREBRAL PALSY

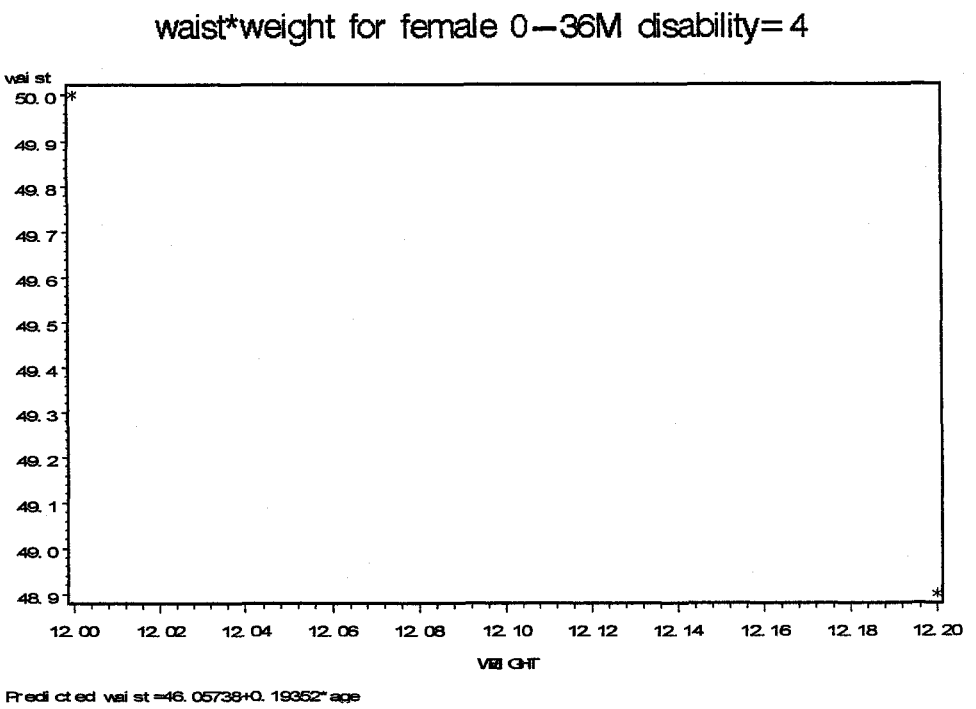
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Disability Population (each disability separated; disability column all 4's)
CEREBRAL PALSY

Waist Circumference to Weight

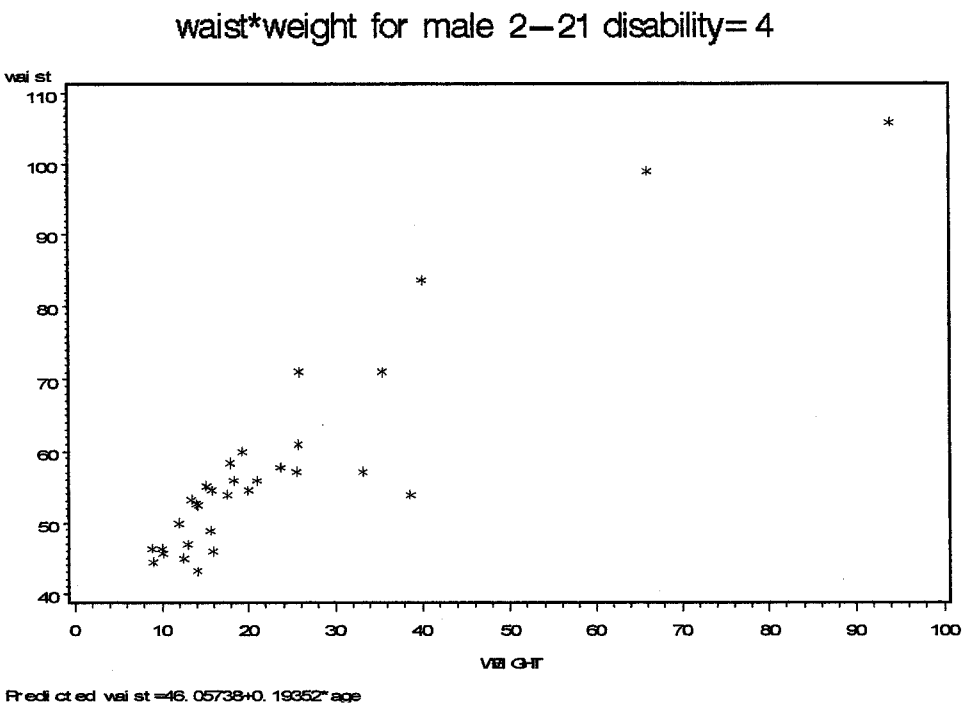
0-36 months males
no data point

0-36 months females

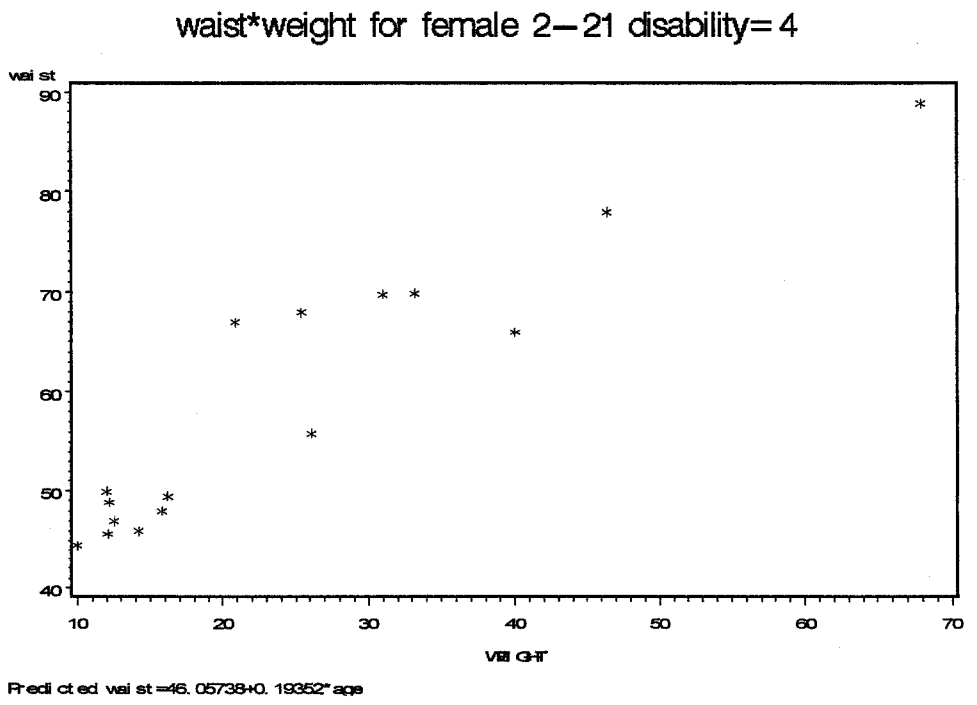


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2-21 years males

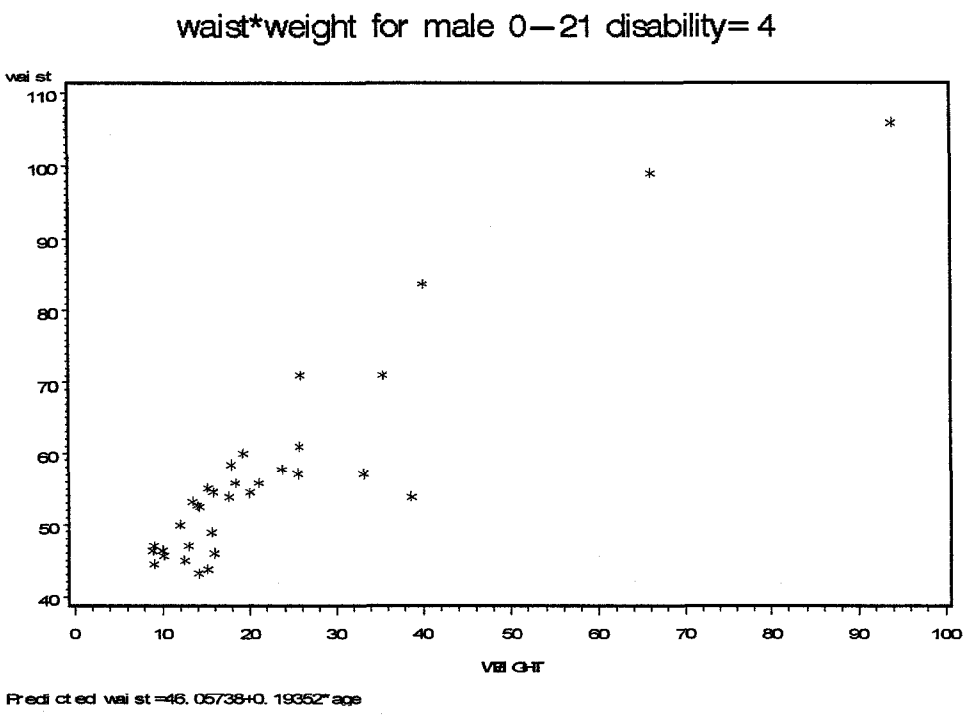


2-21 years females

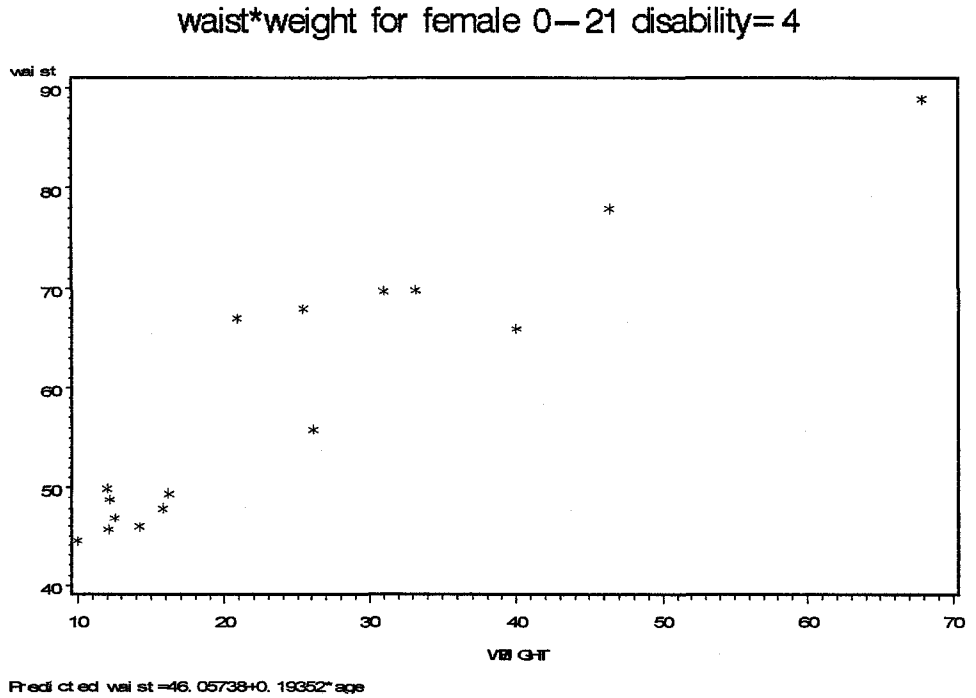


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0-21 years males



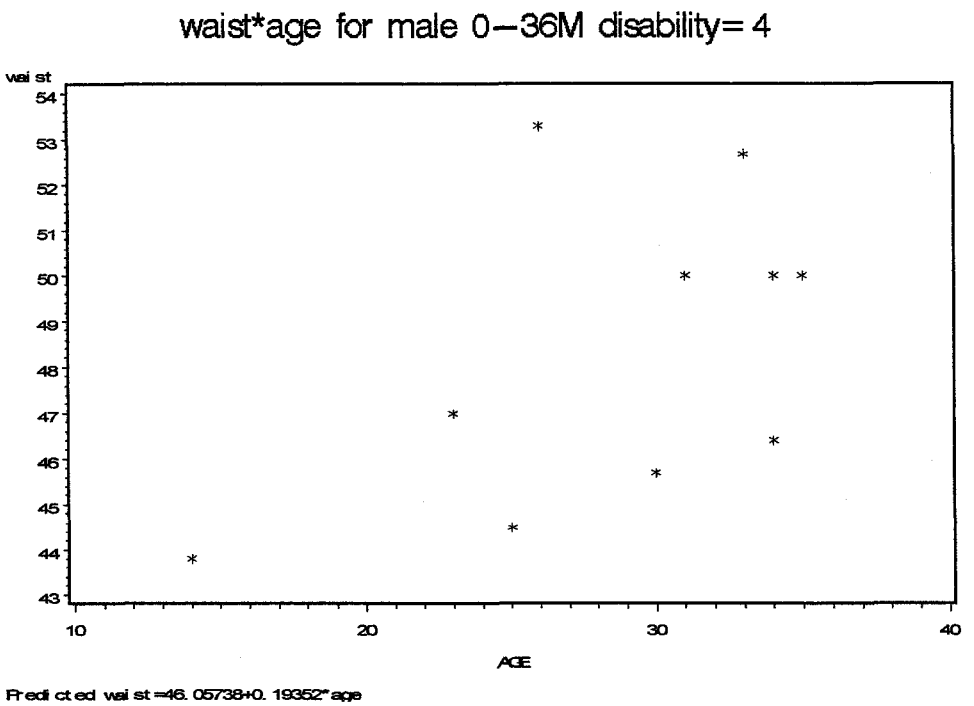
0-21 years females



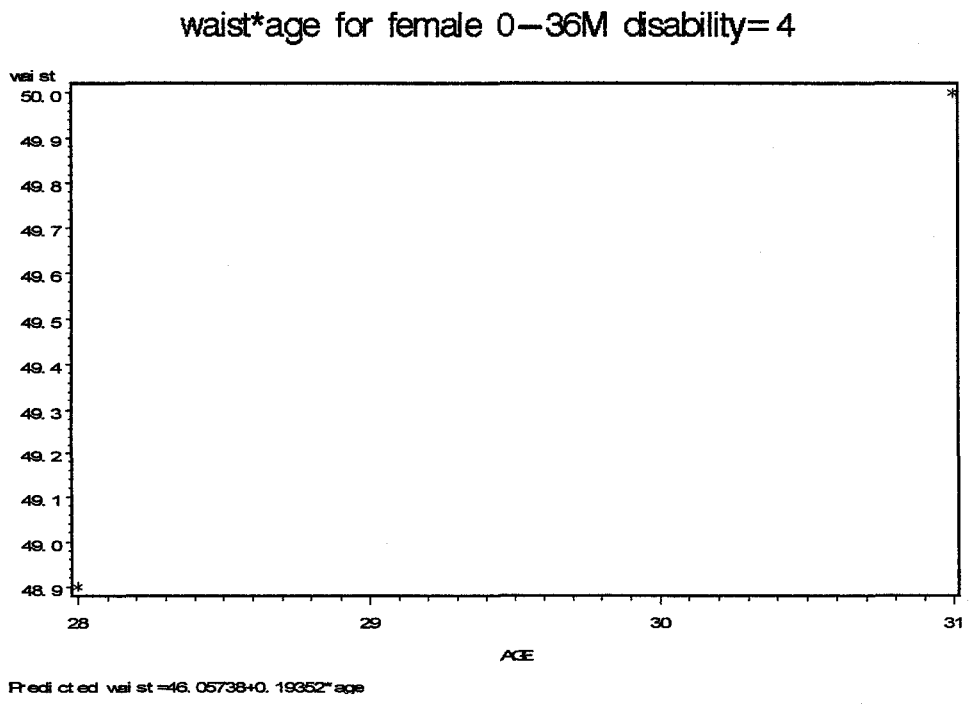
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Waist Circumference to Age

0-36 months males

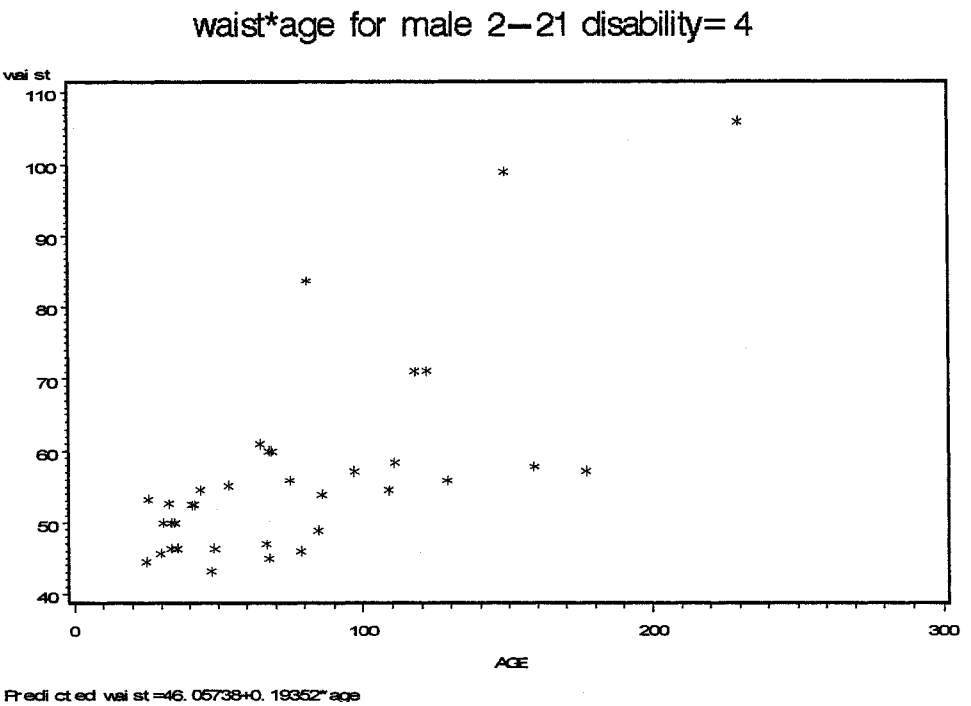


0-36 months females

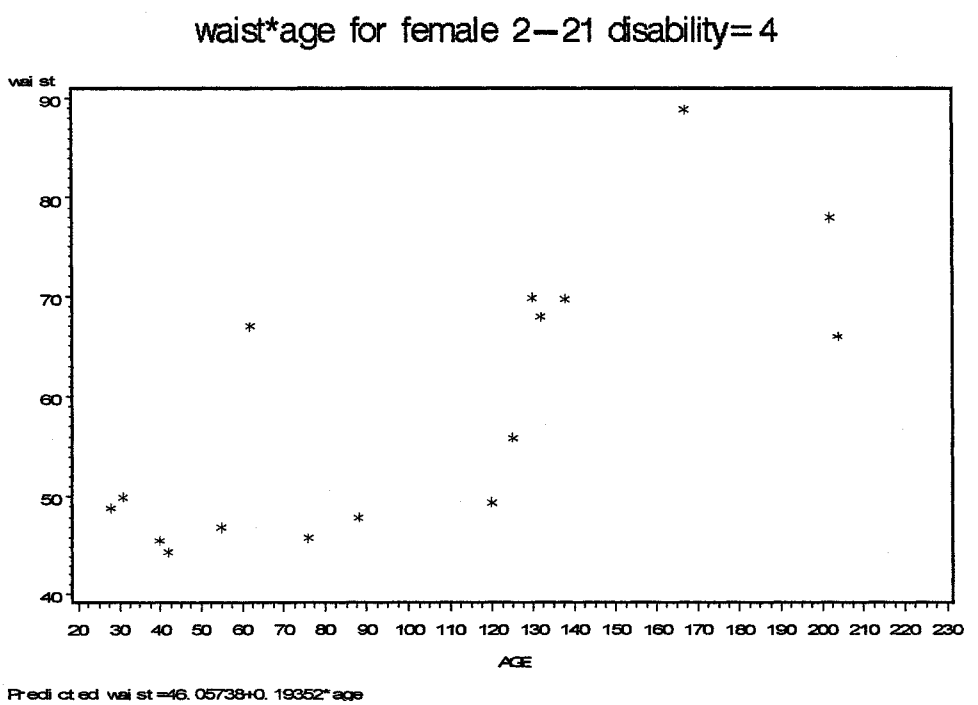


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2-21 years males

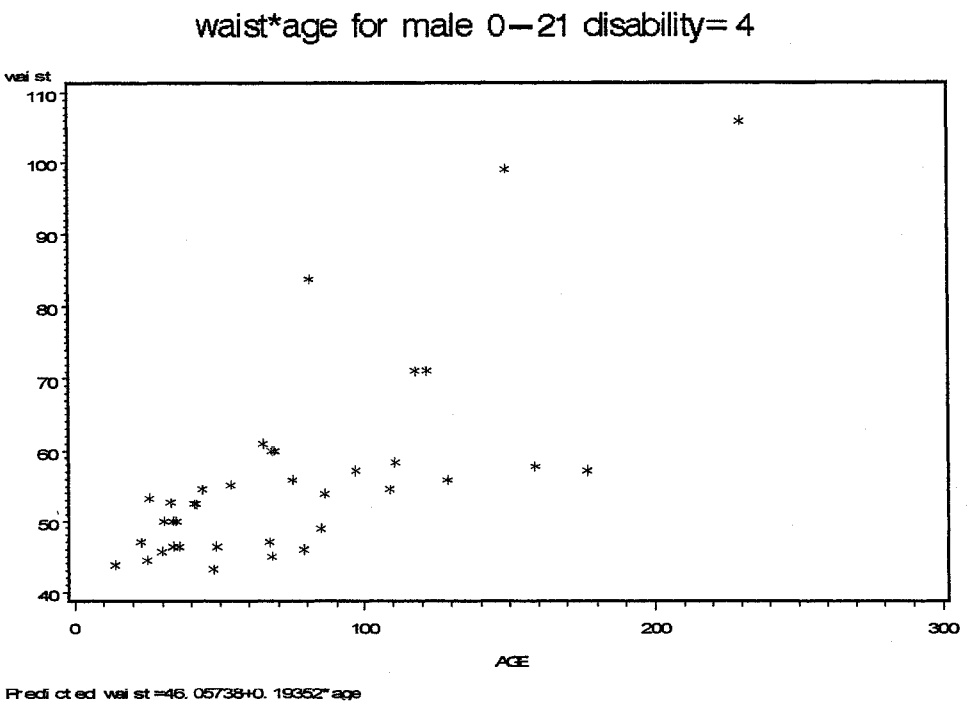


2-21 years females

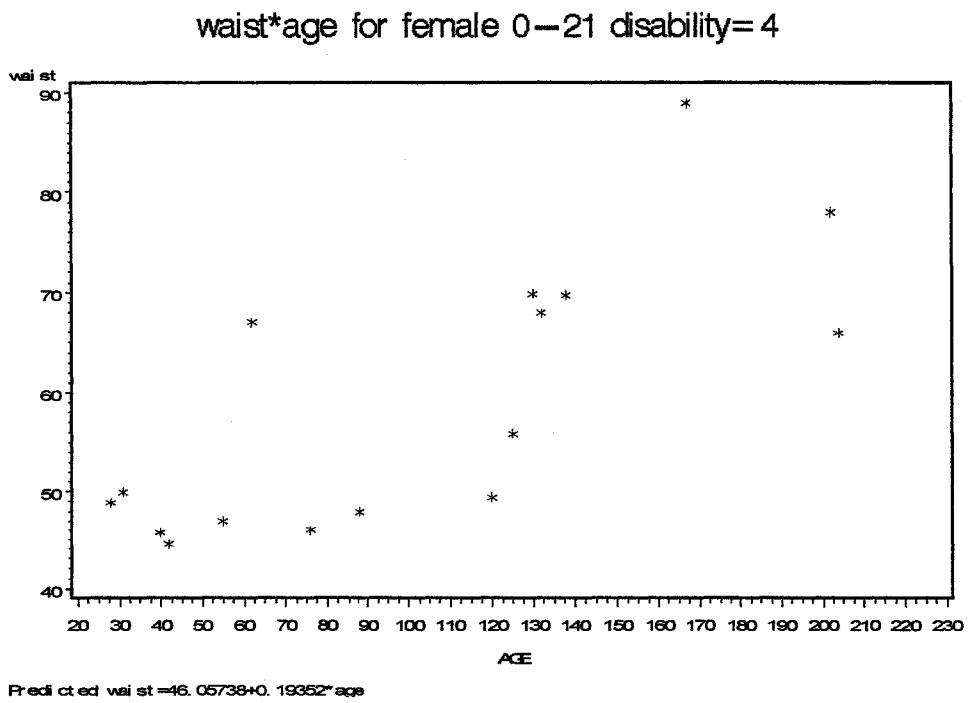


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0-21 years males



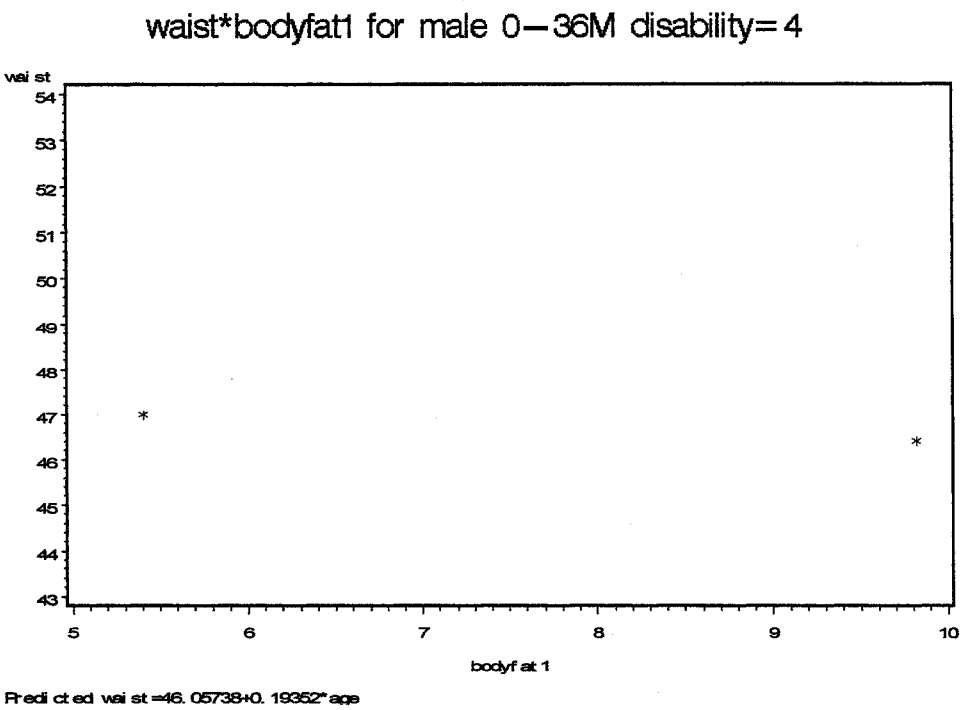
0-21 years females



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Waist Circumference to Bodyfat1

0-36 months males

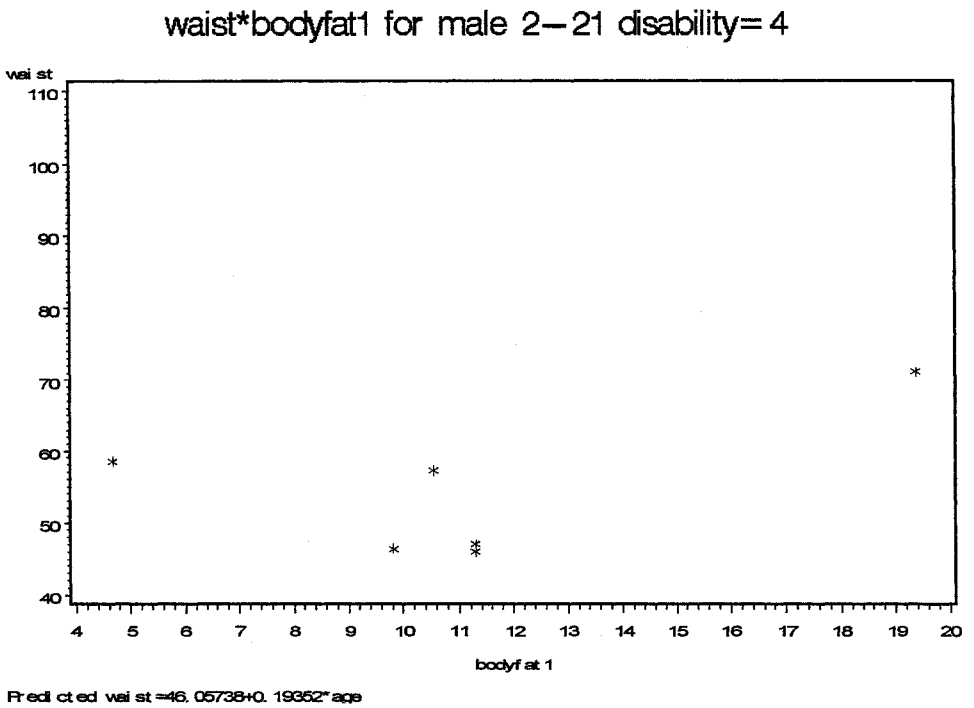


0-36 months females

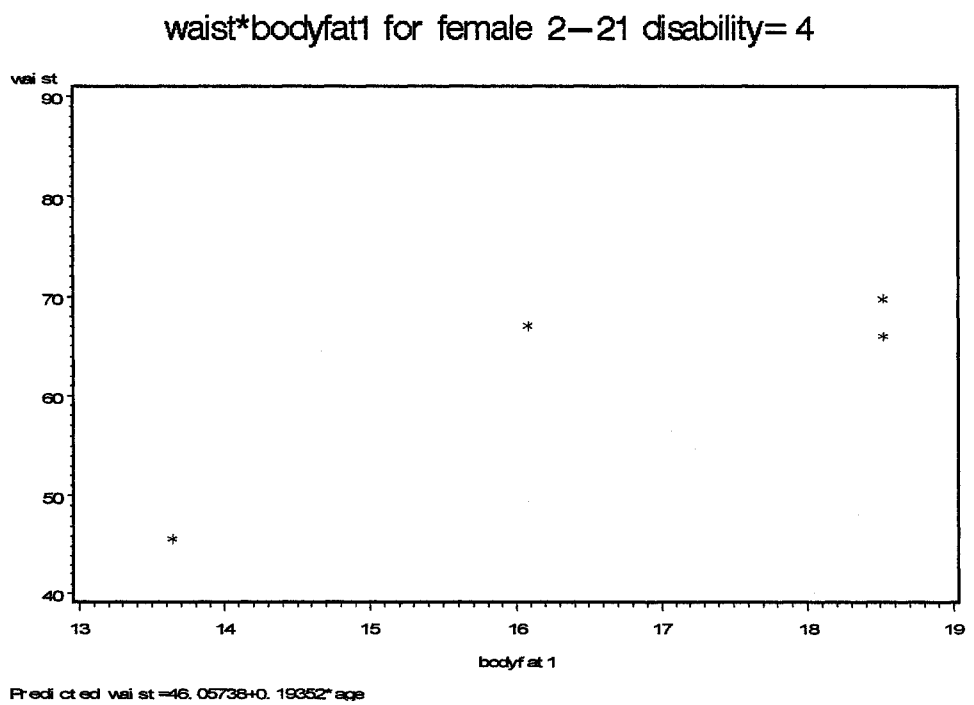
no data

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2-21 years males

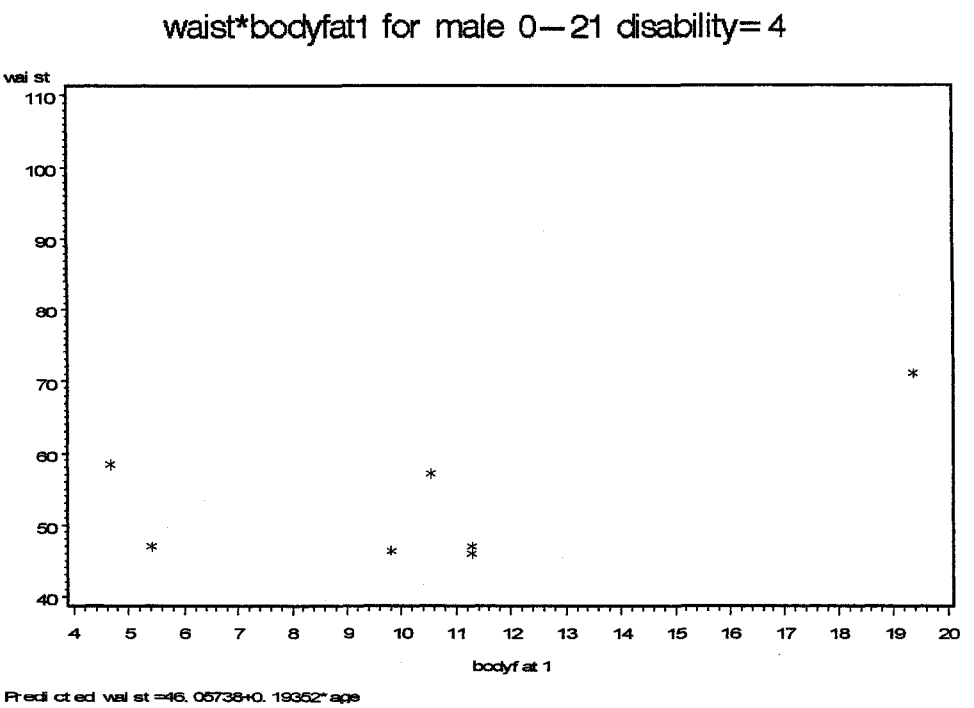


2-21 years females

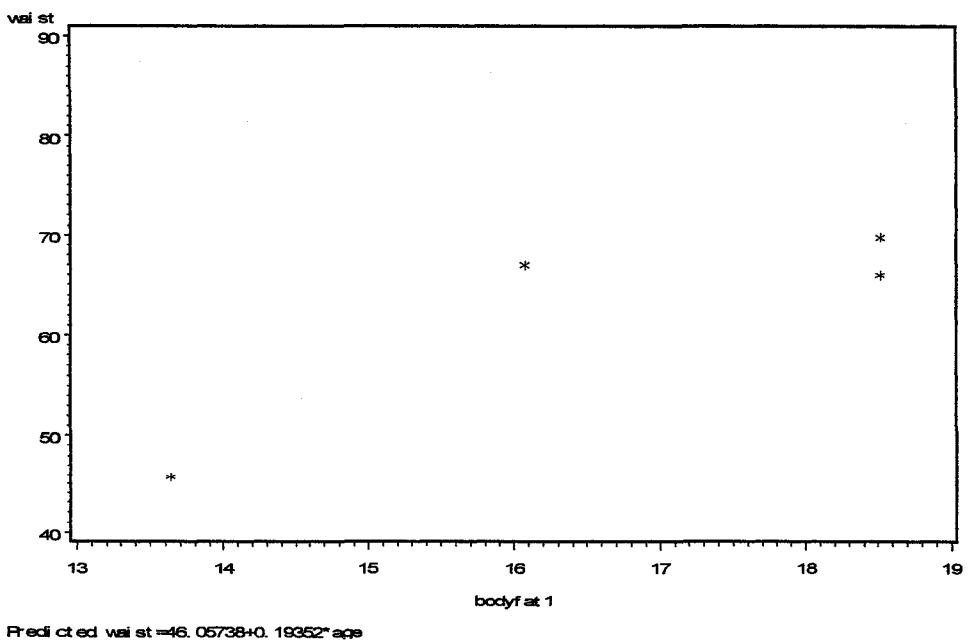


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0-21 years males



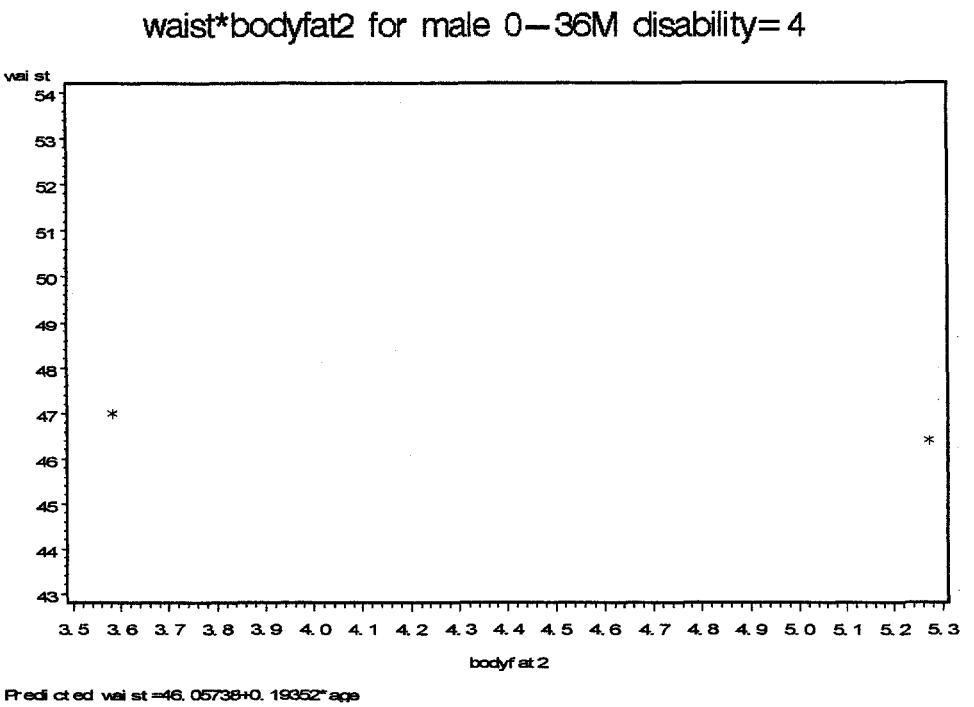
0-21 years females



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Waist Circumference to Bodyfat2

0-36 months males

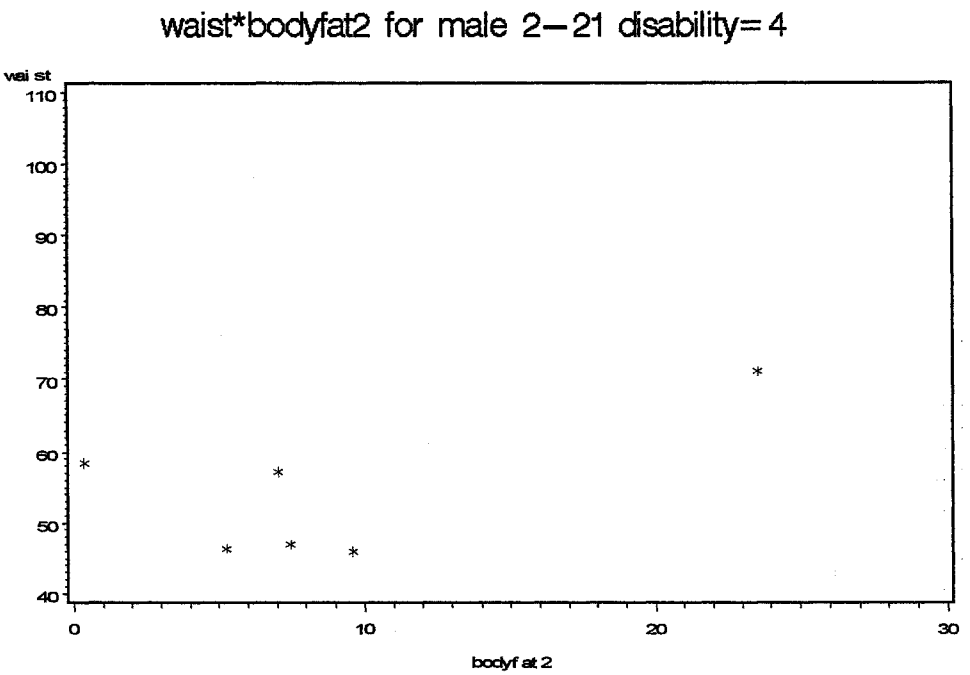


0-36 months females

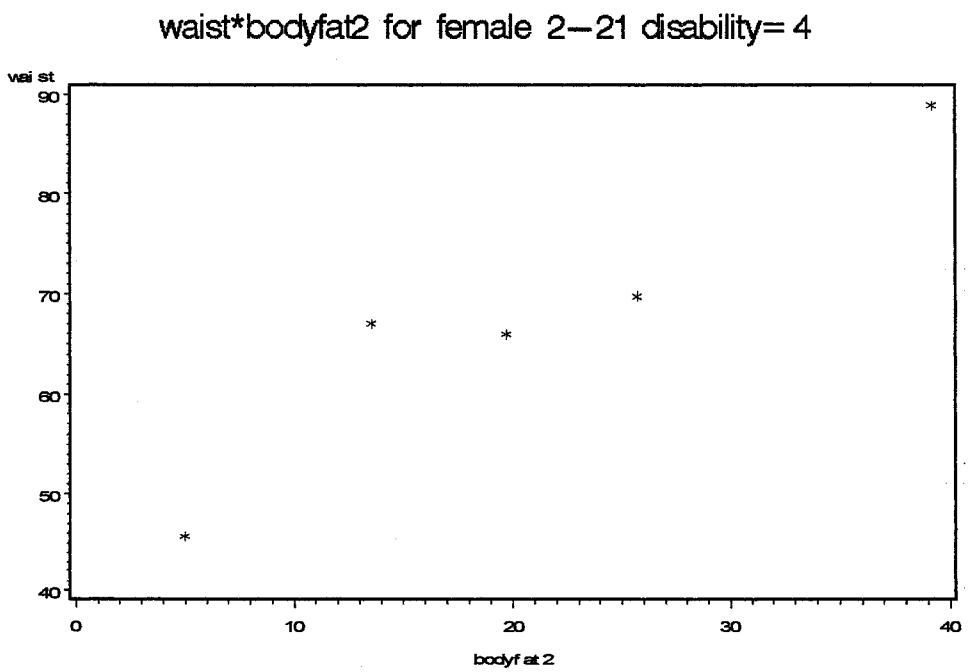
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2-21 years males

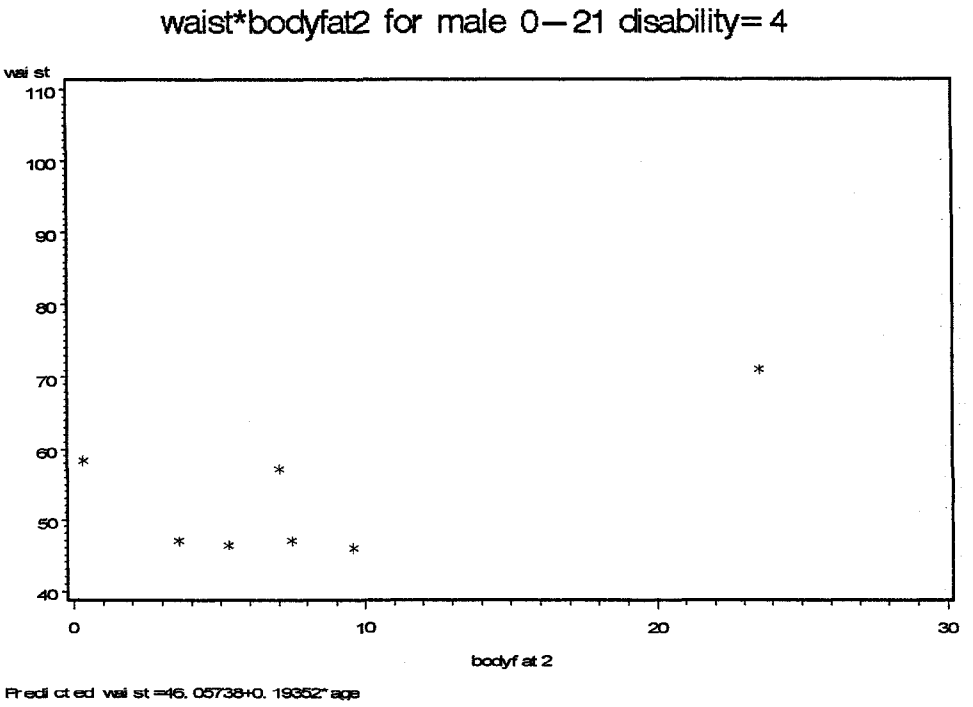


2-21 years females

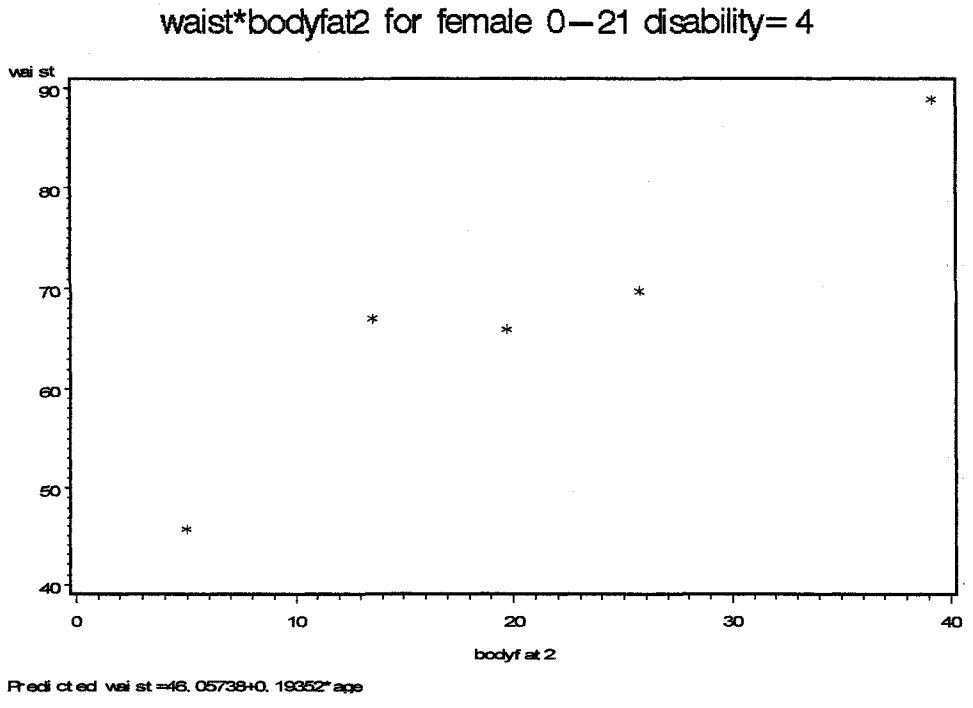


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0-21 years males



0-21 years females



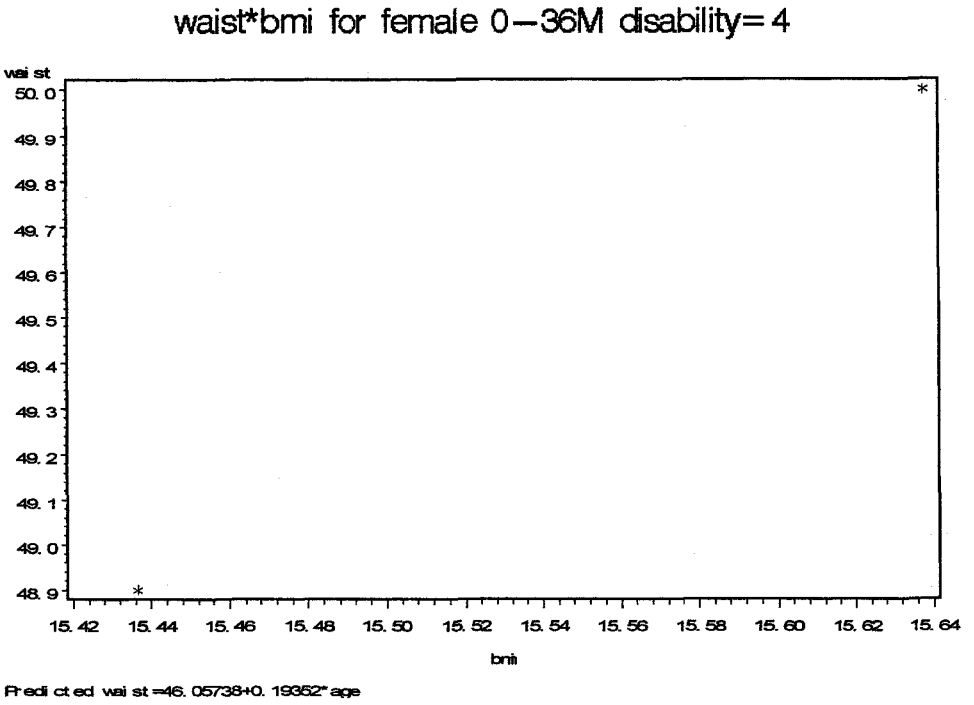
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Waist Circumference to Body Mass Index

0-36 months males

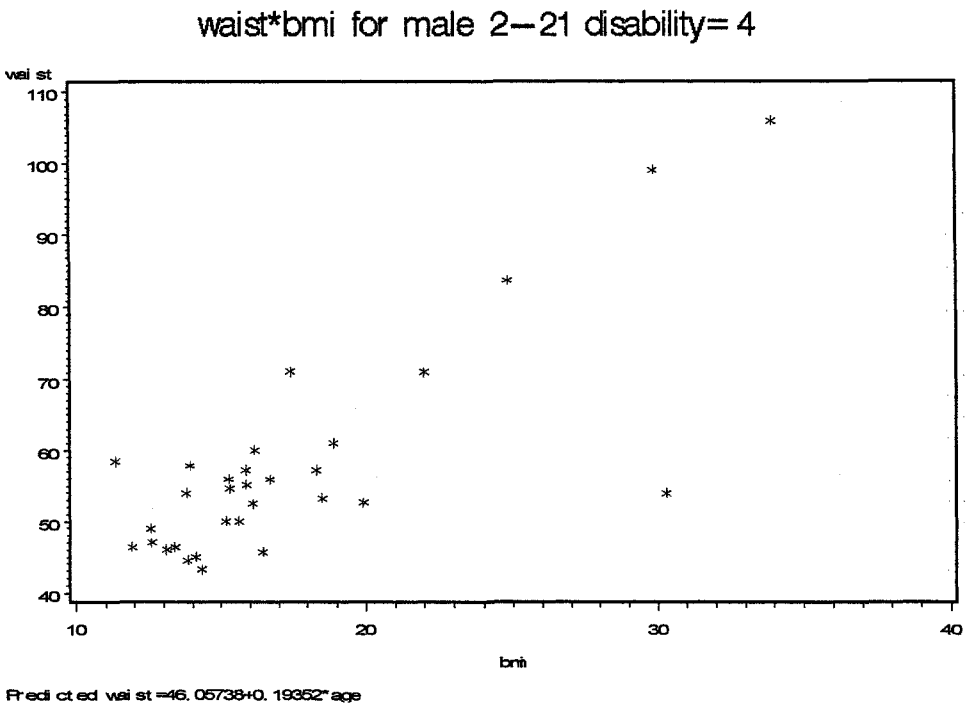
no data

0-36 months females

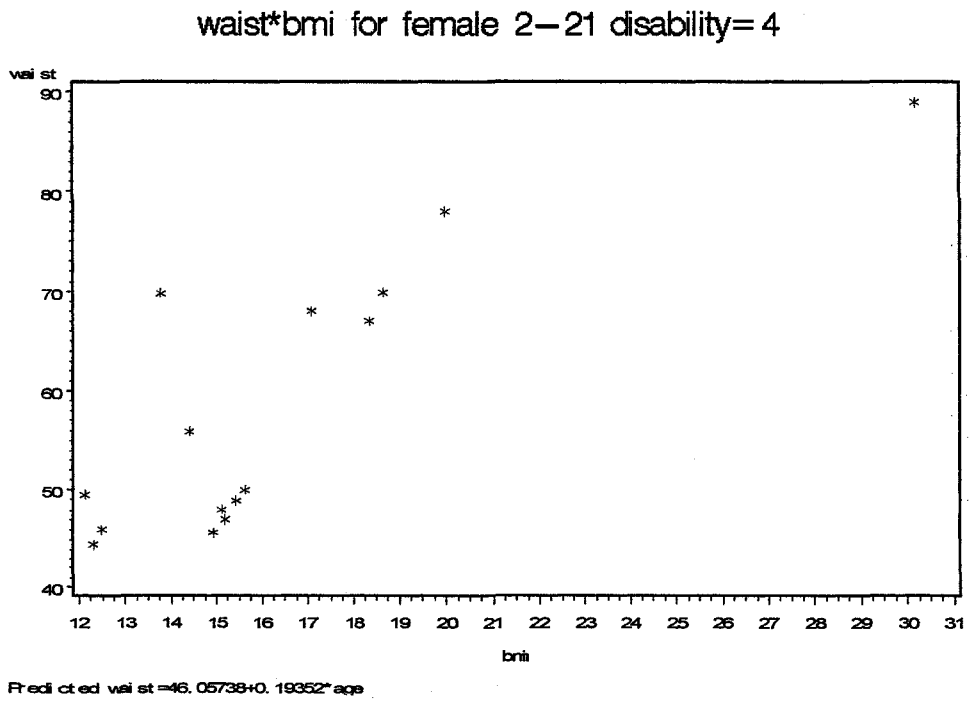


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2-21 years males

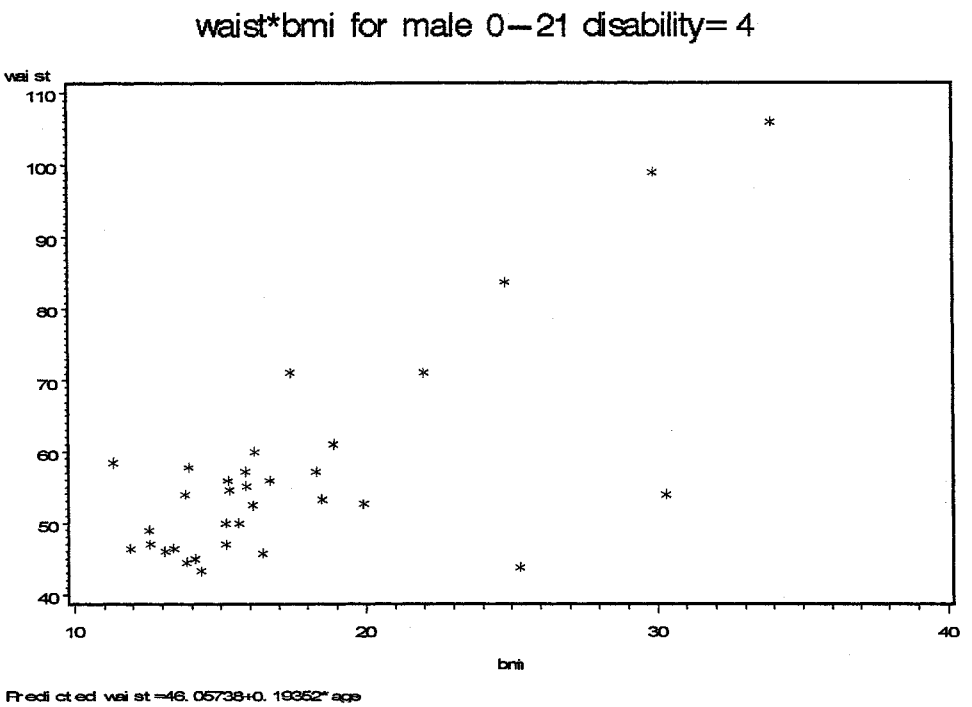


2-21 years females

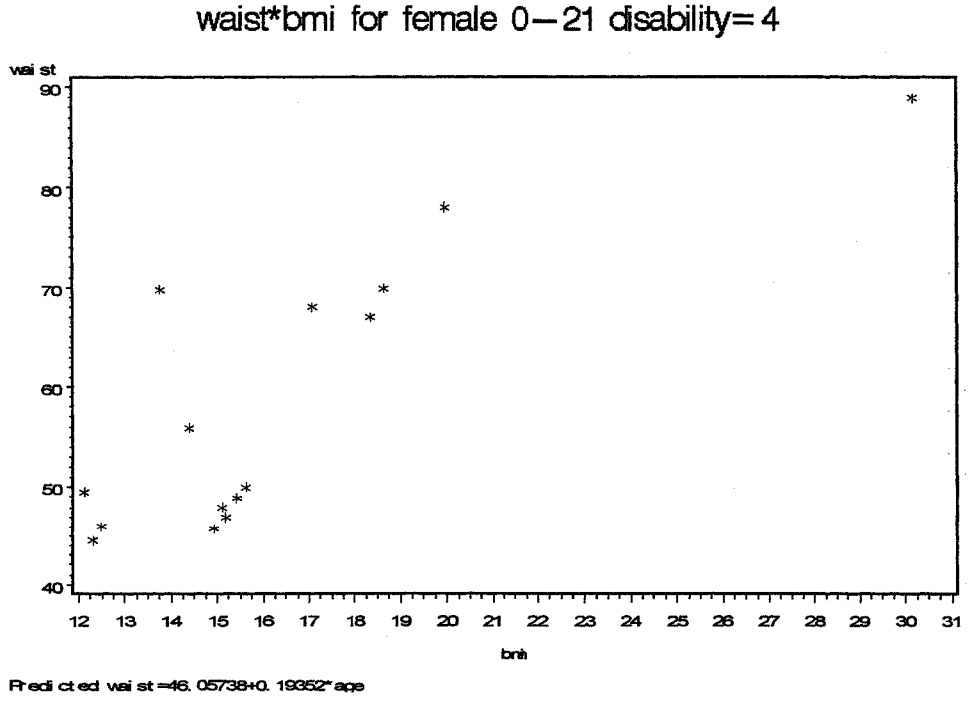


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0-21 years males



0-21 years females



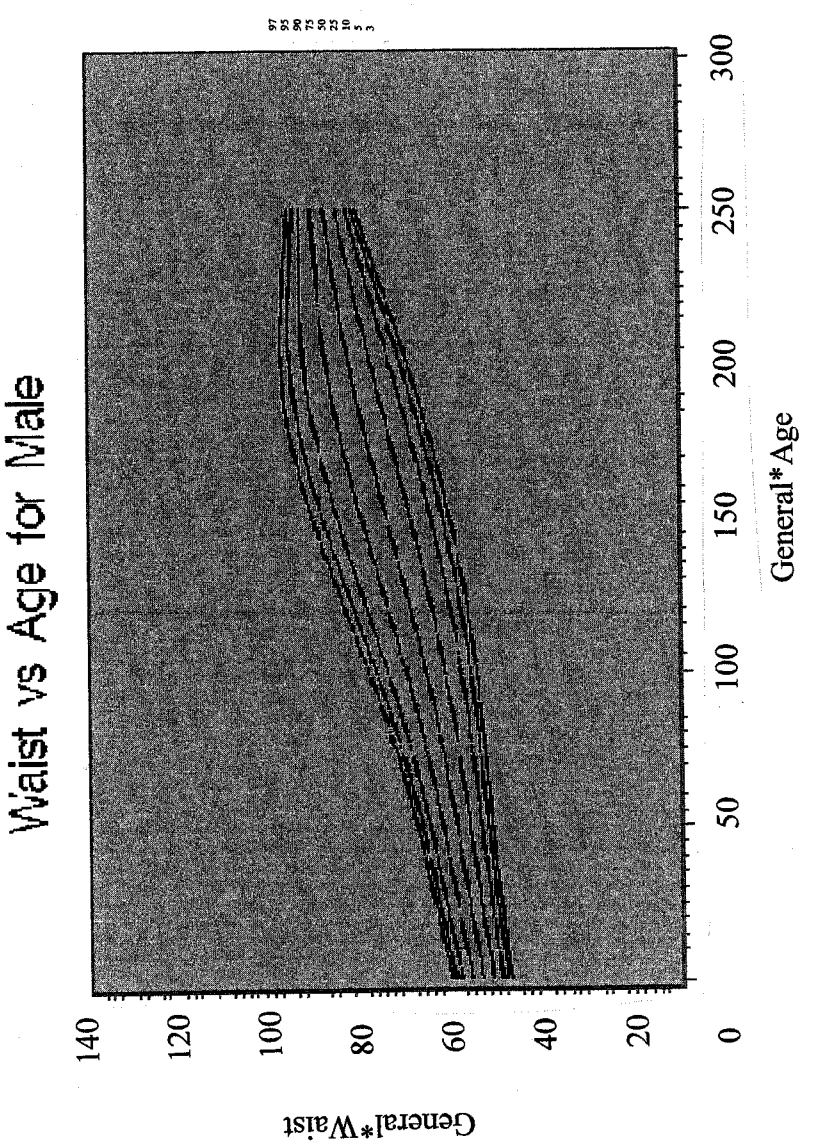
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APPENDIX J

PRELIMINARY GROWTH CHARTS
LMS METHOD WITH PERCENTILES
WAIST CIRCUMFERENCE TO WEIGHT AND AGE
GENERAL POPULATION

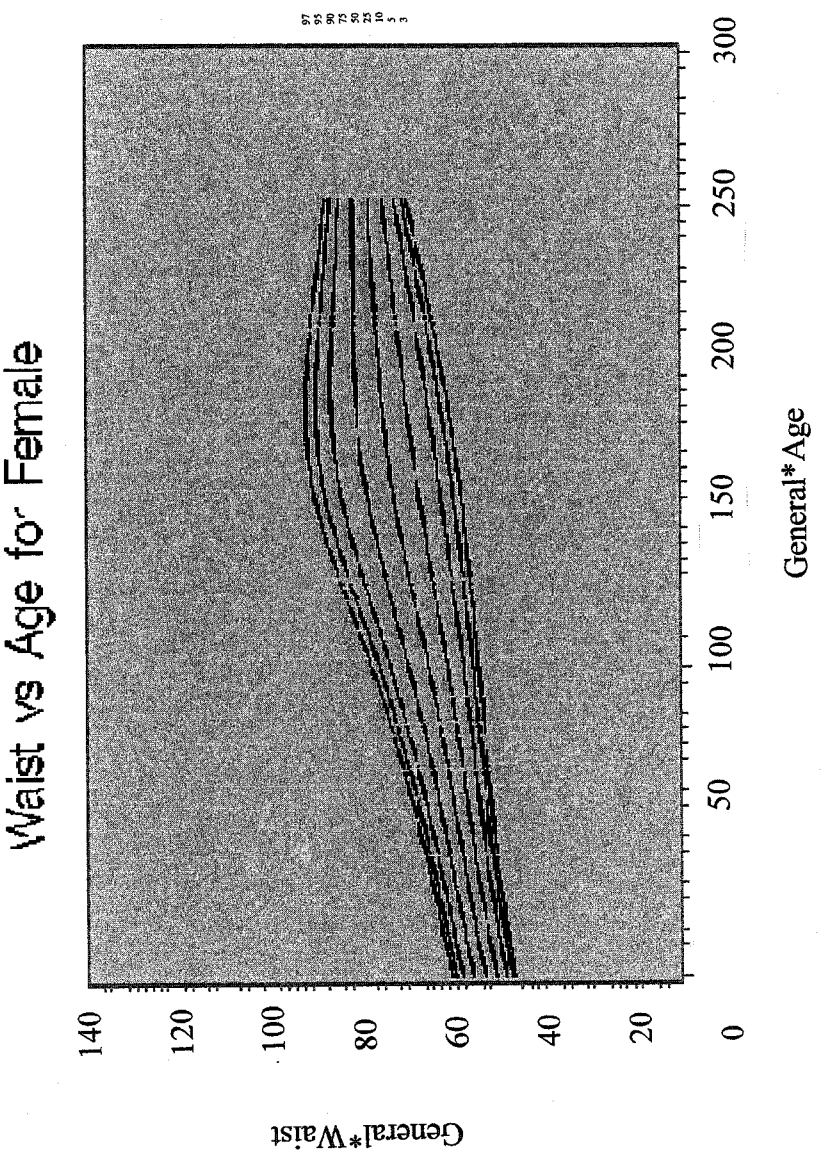
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