

A Six-Month Randomized Controlled Pilot Study Evaluating the Effects of an Oral Protein Supplement on Children's Growth Patterns

Prepared for:

TruHeight

Version 2.0

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PURPOSE

The objective of this randomized controlled study is to assess the efficacy of consuming TruHeight Growth protein shake once a day 5 times per week for 6 months on 1) type x collagen, as assessed by the concentration in the urine, 2) height as measured by a stadiometer, 3) weight and body composition as measured by INBODY device in six months.

GENERAL INFORMATION

Study Number: CSD-SFRI-013

Test: A Six-Month Randomized Controlled Pilot Study Evaluating the Effects of an

Oral Protein Supplement on Children's Growth Patterns

Test Material: TruHeight Growth Protein Shake

Investigator: John Ademola, PhD

Sub-Investigator: Clara Chan

Testing Facility: S F Research Institute

2435 Ocean Ave.

San Francisco, CA 94127

Sponsor: TruHeight

Address (4231 Balboa Ave, Ste# 539, San Diego, CA 92117)

Sponsor Representative: Justin Rapoport

Testing Start Date: January 18, 2023

Testing End Date: July 7, 2023

SUMMARY

Objectives

This single-center pilot clinical trial was conducted for TruHeight to determine the effect of oral protein supplement (Growth Protein Shake-GPS) versus control on growth patterns in children. We hypothesize that giving GPS protein supplementation to children will improve growth patterns as assessed by concentration of collagen X concentration in the urine, height as measured by a stadiometer, as well as weight and body composition as measured by INBODY device in six months.



The oral supplement was provided in powder form. It could be mixed with water before consumption. The ingredients of the product are listed in the picture below.

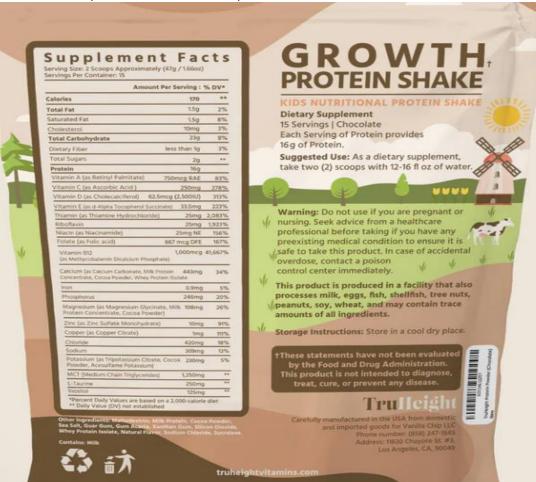


Image 1

Participants of the study were recruited from the SF RESEARCH INSTITUTE database and advertisements on social media and public places. They first reported to SF RESEARCH INSTITUTE for the baseline study visit. At this visit, subjects were screened for eligibility based on the Inclusion and Exclusion Criteria. If qualification criteria were met, eligible subjects were enrolled and assigned a subject number. This subject number was assigned in sequence as qualified subjects were enrolled in the study. A total of 32 subjects, who were 4-17 years old, were enrolled in the study with a target completion of 20 subjects. The 32 subjects were randomized to either the treatment/supplement group or control group by a computer-generated randomization code.

This study consisted of 3 study visits (SV) in a 6-month period. Height, weight, fat mass, and lean body mass were measured at baseline (SV1), 3 months \pm 5 days (SV2), and 6 months \pm 5 days (SV3). Urine samples were collected at SV1 and SV3. The urine samples were sent to labs for analysis of type x collagen content. A dietary or consumer perception questionnaire depending on the enrolled group (dietary for the control group; perception for the treatment group) were given to the participant or the participant's parent to fill out at baseline, SV2, and SV3. A log form was given to the participant or the participant's



parent in the treatment group to record the supplement consumption at home. All participants were required to maintain their regular diet throughout the study.

Subjects in the treatment/supplement group were given the following instructions for use:

Mix and drink two (2) scoops of dietary supplement with 12-16 fluid oz of water.

Frequency: once a day, 5 times per week, for 6 months

Investigator called subjects or subjects' parents over the phone on day 45 (between SV1 and SV2) and day 120 (between SV2 and SV3) of the study to follow up on the study's compliance.

Table 1

A schedule of procedures at each study visit appears below.

(N=20 subjects to	Visit 1	Visit 2	Visit 3	After Study
complete)				Conclusion
Study Activities	Baseline	Month 3	Month 6	
Informed Consent	Χ			
Process				
Verify	Χ			
Inclusion/Exclusion				
Criteria				
Urine Collection	X		X	Sent urine samples to lab for type x collagen measurement
Height, Weight, fat	Χ	X	X	
mass, lean body				
mass				
Dietary	X	X	X	
Questionnaire or				
Consumer				
Perception				
Questionnaire				

Table 1

OVERALL RESULTS

Overall results from this single-center clinical trial indicate that compared with the control group GPS, Mean increase in height, Mean change in weight, mean change in BMI, Mean change in fat body mass, mean lean change in fat body mass were significantly different from the control values at visits 2 and 3 (appendix 1). Numeric values of mean BMI, mean weight, mean fat body mass and mean lean body mass were lower in the treatment compared to control group.

Compared with the control group (4.3728), the biomarker for growth, collagen X, were significantly higher in treated group (8.1532) with a p value of 0.1606 (table 5). In the analysis of the questionnaire of





the treatment group, 86% and 100% totally agreed that their child visibly appears taller at visits 2 and 3, respectively; over 75% of the parents' reported GPS was well tolerated by the children with respect to taste, easy to consume and to digest.

STORAGE, HANDLING, AND DOCUMENTATION OF TEST MATERIALS

Investigational Products were stored under ambient conditions or as specified by the Sponsor prior to distribution to study participants. SF Research Institute did not retain the remaining products from participants.



TEST MATERIALS DESCRIPTIONS

INVESTIGATIONAL PRODUCT IDENTIFICATION

The testing product was commercially available and was distributed to participants with the same package on the market. Products (received from the Sponsor) were marked with unique study and subject numbers. Individual product samples were labeled with the assigned study number listed below and subject numbers, in accordance with the distribution.

Table 2

Sponsor Identification	SF RESEARCH INSTITUTE
	Identification
TruHeight	CSD-SFRI-013
Growth	Subject ID:
Protein	
Shake	

Table 2

The Sponsor assumed responsibility for the purity, stability, characterization, and adequate preservation of the Investigational Product. The Sponsor attested to the safety of the Investigational Product for use in humans.

INFORMED CONSENT

Written informed consent and informed assent were obtained from each subject. As part of the informed consent process, the prospective subject and his/her parents were given as much time as needed to read the informed assent form (IAF) and informed consent from (ICF). They had the opportunity to have any study-related questions answered to their satisfaction prior to signing the IAF and ICF. The original signed IAF and ICF for each subject participating in the study was retained in the study file and each subject received a copy of the signed IAF and ICF.

RECORD OF SPONSOR MONITORING VISITS

The sponsor was permitted to perform site visits during the study and inspect all case report forms (CRFs) and other documentation directly associated with study.



SUBJECT DISPOSITION AND DEMOGRAPHICS

The demographic information for the pre-protocol (PP) population is presented in Table 3. A summary of subject disposition baseline information is included in Table 4.

Table 3: Demography and Baseline Height, Weight BMI Fat Body Mass, Lean Body Mass and Mean Collagen X

	Treatment group (n=17)	Control group (n=13)	P value
Gender: male	10 (58.82%)	6 (46.15%)	
Gender: female	7 (41.18%)	7 (53.85%)	
Age Mean	10.94	12.69	0.12
Age Min	4	5	
Age Max	17	17	
Age group: 4-9 years old	7 (41.18%)	3 (23.07)	
Age group: 10-17years old	10 (58.82%)	10 (76.92%)	
Ethnicity: Caucasian	0	0	
Hispanic	0	1 (7.69%)	
Asian	14 (82.35%)	11 (84.62%)	
African American	1 (5.88%)	0	
Mixed	2 (11.76%)	1 (7.69%)	
Mean Height (cm) at baseline	137.76	146.62	0.11
Mean Weight (lb) at baseline	80.51	94.38	0.28
Mean BMI at baseline	18.32	20.18	0.33
Mean Fat Body Mass % at baseline	22.72	24.81	0.58
Mean Lean Body Mass % at	31.72	37.17	0.33
baseline			
Mean Collagen X (ng/ml) in urine	6.13	5.59	0.74
at baseline			

Table 3

Table 4: Subject Disposition

All Subjects	
Enrolled subjects	32
PP population (completed subjects)	28
Discontinued subjects	4
Adverse event	Acne on face and concentrated urine (darker color of yellow)
Post to follow-up	

Table 4



ADVERSE EVENTS

An adverse event (AE) is defined as any untoward medical occurrence in a clinical investigation where a subject is administered to any product or medical device, regardless of causal relationship with the test article. Possible reactions to the test material may include subjective sensations (such as irritation), allergic reaction, upset stomach, indigestion, heartburn, or diarrhea. These reactions were not expected to be other than the mild, temporary reactions usually associated with nutritional supplement use.

Symptoms of irritation, including the examples above, were not treated as adverse reactions if they were mild in nature, even if the symptoms did not resolve over time. Symptoms that were persistent and moderate to severe in nature, or that involved elevation were considered AEs. The investigator or designee had the final authorization to determine if a reaction was considered an AE.

Three adverse events were recorded during the study. All three adverse events were considered as related to the investigation product.

PROTOCOL AMENDMENTS

Any changes or formal clarification to the procedures outlined in the protocol were documented as protocol amendments. Notes to file (for internal purposes) were used to identify study discrepancies, provide clarification, or record slight variations for items that did not require a protocol amendment.

There were no amendments to the protocol.

PROTOCOL DEVIATIONS

Any violations to the protocol that might have significantly affected the completeness, accuracy, and/or reliability of the study data or might have affected subjects' rights, safety, or well-being were documented as deviations. Notes to file (for internal clarification purposes) were used to record items that did not qualify as deviations.

No significant deviations were recorded during the course of the study. Two subjects from control group and two subjects from treatment group came in one week earlier than their scheduled site visit 2 for measurements. The reason was that subjects went out town for school spring breaks during the week of their scheduled site visit 2.

PROCEDURES AND METHODS

Prior to the start of the study, prospective subjects were screened over the telephone for eligibility criteria. Children between the ages of 4 to 17 years, who were at or below 50 percentile CDC height chart for age 2 to 20, were scheduled for eligibility screening at the clinic. Prospective subjects were advised to maintain their regular diet throughout the study.

Subjects equilibrated to ambient relative temperature and humidity for approximately 20-30 minutes prior to baseline, 3-month, and 6-month evaluation at the clinic.

At the first on-site visit, prospective subjects and their parents completed the informed assent and informed consent process. They signed the IAF and ICF.

Prospective subjects completed an eligibility and health questionnaire and were evaluated for eligibility criteria, including the following:



CDC Growth Charts: United States

Stature for age percentiles: Boys, 2 to 20 years

Males' ages between 4 to 17 years old and at or below 50 percentile CDC height charts were qualified.

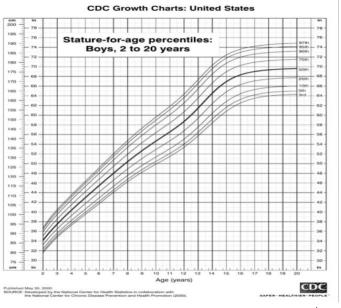


Image 2

CDC Growth Charts: United States

Stature-for-age percentiles: Girls, 2 to 20 years

Females' ages between 4 to 17 years old and at or below 50 percentile CDC height charts were qualified.



Image 3



Each candidate subject's eligibility was reviewed, and qualified subjects were enrolled in the study.

Candidate subjects who passed the eligibility screening participated in the following procedures, before and after product use:

1. Standiometer

A stadiometer is a piece of medical equipment used for measuring human height. It is constructed out of a ruler and a sliding horizontal headpiece which is adjusted to rest on the top of the subject's head.¹

2. Inbody Device

Inbody device makes use of Bioelectrical impedance analysis (BIA). BIA is a method for measuring body composition, including muscle mass, body fat, and total body water. Alternating low and high-frequency electrical currents were sent through the water in the subject's body via contact with electrodes to measure impedance. The impedance was used to determine the subject's total body water (TBW), which could then be used to derive his/her fat-free mass—the portion of body that does not contain fat, including muscle and bone—and finally, body fat. The INBODY device could also measure body weight and calculate subject's BMI (Body Mass Index) after inputting his/her height.²

3. Type X Collagen

Type X collagen is a network-forming collagen. Type X collagen is mainly expressed in hypertrophic <u>chondrocytes</u> in cartilage, with expression usually limited to the hypertrophic zone of the growth plate and in the calcified zone of articular cartilage of long bones, where type X collagen seems to facilitate calcification. Type X collagen can indicate new bone formation.³

Collagen Type X ELISA is intended for the quantitative determination of Human Collagen Type X in biofluid samples, such as urine. This is a sandwich ELISA in strip well format with reagents for up to 96 tests. Type X collagen present in samples reacts with an anti-Human type X collagen capture antibody coated and dried on a microtiter plate. Latent or complex type X collagen will not bind to the capture antibody and will not be detected. After appropriate washing steps, an anti-type X collagen detection antibody conjugated to biotin binds to the captured analyte. Excess antibody is washed away and bound antibody is then reacted with avidin conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. Color development is directly proportional to the concentration of active type X collagen in the samples. A standard calibration curve is prepared along with the samples to be measured using dilutions of Human type X collagen.⁴

• **Detection Target:** Human Collagen Type X

• Reactivity: Human

Range: 0.312-20ng/mLSensitivity: 0.141ng/mL

Storage Conditions: Store all components at 4°C



4. Self-Assessment Questionnaire

Self-assessment of efficacy parameters was performed at 3 month and 6 month of product use for the treatment group. The efficacy parameters were assessed using the following a 5-point Hedonic scale:

5-Point Hedonic Scale:

- 1. Strongly Agree
- 2. Agree
- 3. Neutral (Neither agree nor disagree)
- 4. Disagree
- 5. Strongly Disagree

The height of your child visibly appears taller
TruHeight Growth Protein Shake is rich in nutrition
TruHeight Growth Protein Shake tastes good
TruHeight Growth Protein Shake is easy to prepare
TruHeight Growth Protein shake is easy to consume
TruHeight Growth Protein shake is easy to digest
My child enjoys consuming TruHeight Growth Protein Shake in a daily basis
Consuming TruHeight Growth Protein Shake daily for the past 3 or 6 months is not a burden for me or my child
I want to purchase TruHeight Growth Protein Shake for home consumption in the future
I will recommend TruHeight Growth Protein Shake to my friends and family

BIOSTATISTICS AND DATA MANAGEMENT

The PP population was the primary population for all statistical analyses testing. The PP population included all subjects who received treatment and completed the study in general accordance with the protocol.

For applicable evaluation parameters, a descriptive statistical summary is provided, including the number of observations (n), and mean at all time point.



The mean change from baseline (defined as the post-baseline value minus the baseline value) was estimated at each applicable post-baseline time point.

Percent mean change from baseline were calculated using the following formulas:

Percent mean change from baseline = (visit mean score-baseline mean score) × 100

Baseline mean score

Descriptive statistics and changes from baseline statistics are presented in Table 5 and Table 6 for clinical instrumentation measurement of efficacy parameters. For applicable evaluation parameters, a description statistical summary is provided, including the number of observations (N), and percentage of panel.

Table 5: Mean Change from Baseline of Urine Collagen (ng/ml)

Urine Tests Results COLLAGEN X								
Baseline Visit 3 Change % Change % Subjects Improving								
Mean collagen X CONTROL	5.592 <u>+</u> 4.41	4.372 ± 2.65	-1.219	-12.2%	40%			
Mean collagen X TREATMENT	5.665 + 4.14	8.153 ± 9.54	+2.488	+21.8%	60%			

MAINTENANCE OF RECORDS

All original records (including the study protocol, source documents, ICFs, screening/ enrollment log, and any other records or forms used in the study) and a copy of the final report will be retained on file in the SF Research Institute archives for 2 years from the final report issuance date. When the archives time has expired, the study files will either be sent to the Sponsor at the Sponsor's expense or destroyed.

RESULT AND CONCLUSIONS

Overall Conclusions

Overall results from this single-center clinical trial indicate that the TruHeight Growth Protein Shake did perform as expected when compared to the control group, statistical differences in mean height cm compared to baseline were noted from baseline to final visit. Significant differences of the same orders of magnitude were noted for both groups in the parameters investigated, under the conditions of this test. Furthermore, subjective questionnaire administered to treatment subjects demonstrated the following, 100% agree "The Height of your child visibly appears taller" and 100% agree "TruHeight Growth Protein Shake is rich in nutrition'.



Results:

Results: Median age was 10 (interquartile range (IQR) 17), 12 (IQR 5-17, treated and control respectively. Age group 4-9 years old (7 and 3 for treatment and control), age group 10-17 (10 and 10 for treatment and control respectively) years and Mean height, mean weight, mean BMI were 137, 80 and 18.32, respectively for treatment and 144, 26, 20, respectively for control group. Mean collagen at baseline are 6.13 and 5.59 for treatment and control respectively. Length of time on study nutrition (intervention: 6.0 months; control: 6 months; did not differ between groups. A significant difference was observed in mean height change over the 6 months of the study with those subjects randomized to the active product showing increased height growth of the course of the study compared to the control group. No significant difference in mean BMI, mean weight, fat body mass (intervention group: 18.57 (0,35%); control group: 19.03 (4.5%); p =0.59), mean fat body mass (2 vs. 2; p = 0.66), Significant differences were observed in mean lean body mass (32.3 vs 39.1), p = 0.29 after visit 2; and 32.7 vs 40-1 after visit 3. Significant differences were observed in concentration of Collagen X in urine of treatment (5.66 vs 8.15) vs control (5.59 vs 4,3 at visit 3.

Discussion:

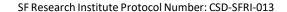
Static growth parameters: In this pilot study, we found a lack of significant improvement in the static parameters of growth (body mass, BMI). The implication of lower mean lean body mass in treatment compared with control should discussed since higher lean body mass also ensures muscles and bones remain strong and healthy with age.

Height change over time and use was the primary endpoint of this pilot study. The active study group was shown to have a significant increase in height over the course of the study compared to control.

Collagen X as a real time marker for bone growth velocity: The observation of significantly higher concentration of Collagen X in urine of treated compared with control group may suggest that GPS could have significance in bone growth.

Implication of high concentrations of Collagen X in contrast to lack of significant differences in static parameters (weight, body mass) in treated compared with control group although measuring static parameters of growth, such as body length or height, is relatively simple. In contrast, measuring growth rate or velocity, the key parameter for evaluating and managing growth disturbances, is much more challenging because skeletal growth is a slow process, and measurement techniques lack the precision to accurately detect these small changes. Despite the concerns over the reliability of short-term stadiometer based height velocity determinations (Voss et al 1991, 1990, Van De Broek, et al, 1990,), this practice has become established for monitoring the growth of healthy children. Stadiometer-based velocity determination is much less acceptable for managing pediatric growth disturbances, especially for assessing responses to interventions, such as GPS, designed to improve growth and health. Thus, in this pilot study we explored markers that can accurately measure growth velocity on a time frame much shorter than static parameters. It is therefore reassuring that both changes in biomarkers (collagen X) and height were shown to be significantly improved after 6 months of treatment compared to control group.

Of note, Collagen X marker in the blood of growing infants and children has been shown to correlate with growth velocity in real time to accurately measure growth velocity on a time frame much shorter than static parameters. Type X collagen is normally synthesized and deposited in hypertrophic zones of active growth plates and is removed as endochondral ossification proceeds (Linsenmayer et al 1990). Therefore, it is somewhat surprising that the presence of high concentration of collagen X in urine of treated group





which reflects growth plate activity and overall rate of linear bone growth was also detected by visual and static parameters of height in the GPS group.

These observation of significantly high concentration of urine collagen X in treated group and measured height improvement in a relatively short period of study (6 months), if proven in large population, raises the exciting possibility the True Height GPS supplement may be accelerating skeletal growth in infants and children

Report approved by:	
Investigator	Date
Sub-Investigator	Date



APPENDICES

(one set of table/analysis for Tx group, one set of table/analysis for control group, one table/analysis of Tx vs control at 6-month)

Appendix 1

Results for Site Visit 2 (SV2) at 3 month of Product Use

	Treatment	Control group (n=13)	P value
	group	control 81 oup (11-13)	1 Value
	(n=15)		
	<u> </u>	1	0.000
Mean Height (cm) at SV2	137.53	147.84	0.2365
Mean Increase in Height (cm)	1.4 (1.01%)	1.23 (0.8319%)	0.0668
from Baseline to SV2 (mean			
change %)			
Mean Weight (lb) at SV2	81.5	96.1	0.28733
Mean Change in Weight (lb) from	2.2277	4.4142 (4.59%)	0.24420
Baseline to SV2 (mean change%)	(2.73%)		
Mean BMI at SV2	18.5733	19.3076	0.59871
Mean Change in BMI from	0.06667	0.876923 (4.54%)	0.23135
Baseline to SV2 (mean change %)	(0.35%)		
Mean Fat Body Mass % at SV2	21.5733	22.9462	0.66927
Mean Change in Fat Body Mass%	2.0133	1.86154 (8.11%)	0.12247
from Baseline to SV2 (mean	(9.42%)		
change %)			
Mean Lean Body Mass % at SV2	32.8333	39.1462	0.29435
Mean Change in Lean Body	1.8867	1.9769 (5.05%)	0.07983
Mass % from Baseline to SV2	(5.74%)		
(mean change %)			

	Treatment	Control group (n=13)	P value
	group		
	(n=15)		
Mean Height (cm) at SV3	139.44	148.84	0.184023
Mean Increase in Height (cm)	3.31042	2.23077 (1.49%)	0.01438
from Baseline to SV3 (mean	(2.37%)		
change %)			
Mean Weight (lb) at SV3	84.066	97.3153	0.345396
Mean Change in Weight (lb) from	0.33889	5.62967 (5.78%)	0.185143
Baseline to SV3 (mean change%)	(0.40%)		
Mean BMI at SV3	18.96	19.2846	0.824283
Mean Change in BMI from	0.45333	0.9 (4.66%)	0.45692
Baseline to SV3 (mean change %)	(2.39%)		
Mean Fat Body Mass % at SV3	24.8457	21.7077	0.41548



Mean Change in Fat Body Mass% from Baseline to SV3 (mean change %)	1.26 (5.07%)	3.1 (14.28%)	0.37626
Mean Lean Body Mass % at SV3	32.7267	40.0077	0.23994
Mean Change in Lean Body	1.78 (5.43%)	2.8385 (7.09%)	0.13424
Mass % from Baseline to SV3			
(mean change %)			

Table 14: Self-Assessment Performance Parameters

	Questionnaire SV2							
	Strongly	Disagree	Agree	Strongly				
	Disagree			Agree				
The Heigh of	0 (0%)	2 (13.33%)	13 (86.66%)	0 (0%)				
your child								
visibly appears								
taller								
TruHeight	0 (0%)	0 (0%)	13 (86.66%)	2 (13.33%)				
Growth								
Protein Shake								
is rich in								
nutrition								
TruHeight	0 (0%)	3 (20%)	9 (60%)	3 (20%)				
Growth								
Protein Shake								
tastes good								
TruHeight	0 (0%)	2 (13.33%)	7 (46.66%)	6 (40%)				
Growth								
Protein Shake								
is easy to								
prepare								
TruHeight	0 (0%)	2 (13.33%)	9 (60%)	4 (26.66%)				
Growth								
Protein shake								
is easy to								
consume								
TruHeight	0 (0%)	0 (0%)	11 (73.33%)	4 (26.66%)				
Growth								
Protein shake								
is easy to								
digest	0 (00()	5/22 220/	7 (46,660)	2 (200()				
My child	0 (0%)	5(33.33%)	7 (46.66%)	3 (20%)				
enjoys								
consuming								





TruHeight						
Growth						
Protein Shake						
on a daily basis						
Consuming	0 (0%)	8 (53.33%)	5 (33.33%)	2 (13.33%)		
TruHeight	, ,	, ,	,	,		
Growth						
Protein Shake						
daily for the						
past 3 months						
is not a burden						
for me or my						
child						
	Breakfast	Morning	Lunch	Afternoon	Dinner	Afternoon
		snack		Snack		dinner
When does	3 (20%)	3 (20%)	0 (0%)	2 (13.33%)	1	6 (40%)
your child					(6.66%)	
usually						
consume the						
protein shake						
in a day						
	Yes	No				
Have you	0 (0%)	15 (100%)				
changed your						
dietary pattern						
in the past 3						
months						
	Strongly	Disagree	Agree	Strongly		
	disagree			agree		
I want to	0 (0%)	4 (26.66%)	10 (66.66%)	1 (6.66%)		
purchase						
TruHeight						
Growth						
Protein Shake	0 (00()	1 (6 6604)	44 /72 220/	2 (200()		
I will	0 (0%)	1 (6.66%)	11 (73.33%)	3 (20%)		
recommend						
TruHeight						
Growth						
Protein Shake						
to my friends						
and family						



		Que	stionnaire SV3		
	Strongly	Disagree	Agree	Strongly	
	Disagree			Agree	
The Heigh of your child visibly appears taller	0 (0%)	0 (0%)	15 (100%)	0 (0%)	T=15 treatment
TruHeight Growth Protein Shake is rich in nutrition	0 (0%)	0 (0%)	14 (93.33 %)	1 (6.66%)	T=15
TruHeight Growth Protein Shake tastes good	0 (0%)	4 (26.66%)	8 (53.33%)	3 (20%)	T=15
TruHeight Growth Protein Shake is easy to prepare	0 (0%)	2 (13.33%)	11 (73.33%)	2 (13.33%)	T=15
TruHeight Growth Protein shake is easy to consume	0 (0%)	3 (20%)	10 (66.66%)	2 (13.33%)	T=15
TruHeight Growth Protein shake is easy to digest	0 (0%)	2 (13.33%)	9 (60%)	4 (26.66%)	T=15
My child enjoys consuming TruHeight Growth Protein Shake on a daily basis	0 (0%)	6 (40%)	6 (40%)	3 (20%)	T=15
Consuming TruHeight Growth Protein Shake daily for the	2 (13.33%)	5 (33.33%)	7 (46.66%)	1 (6.66%)	T=15



past 3 months is not a burden for me or my child						
	Breakfast	Morning snack	Lunch	Afternoon Snack	Dinner	Afternoon dinner
When does your child usually consume the protein shake in a day	2 (13.33%)	2 (13.33%)	0 (0%)	4 (26.66%)	2 (13.33%)	5 (33.33%)
	Yes	No				
Have you changed your dietary pattern in the past 3 months	2 (13.33%)	13 (86.66%)			T=15	
	Strongly disagree	Disagree	Agree	Strongly agree		
I want to purchase TruHeight Growth Protein Shake	0 (0%)	6 (40%)	9 (60%)	0 (0%)	T=15	
I will recommend TruHeight Growth Protein Shake to my friends and family	0 (0%)	3 (20%)	8 (53.33%)	4 (26.66%)	T=15	

Table 15: Collagen X in urine analysis

	Mean Control	Mean Treatment	p-value
Site Visit 1 (Baseline)	5.592	5.665	0.9656
Site Visit 3	4.3728	8.1532	0.1606
	Mean change in Control	Mean change in Treatment	Change p-value
	1.219	2.488	0.8051



II. Raw Data

month: Height of your child visibly appears taller						
Subject #	Age	2	strongly agree	agree	disagree	strongly disagree
Did not show to SV3		7				
	2	6		1		
	3	4		1		
	4	12				
	5	17				
	6	17				1
	7	7		1		
	8	17		1		
	9	13		1		
	10	17				1
	11	8		1		
	12	9		1		
	13	5		1		
	14	14		1		
	15	9		1		
	16	16		1		
	17	14		1		
	18	5				
	19	10		1		
	20	8				
	21	12				
	22	16				
	23	14				
	24	14		1		
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11		1		
	31	15				
	32	12				1

Subject #	A	Age	strongly agree	agree	disagree	strongly disagree
Did not show to SV3		7				
	2	6		1		
	3	4		1		
	4	12				
	5	17				
	6	17		1		
	7	7		1		
	8	17		L		
	9	13		L		
	10	17	1	l .		
	11	8		1		
	12	9		1		
	13	5		1		
	14	14		1		
	15	9		1		
	16	16		1		
	17	14		1		
	18	5				
	19	10		1		
	20	8				
	21	12				
	22	16				
	23	14				
	24	14		1		
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11		1		
	31	15				
	32	12				1



3 month: TruHeight Growth Protein Shake tastes good Subject #	Age		strongly agree	agree	disagree	strongly disagre
Did not show to SV3	780	7		ugicc	disagree	Strongly disagre
	2	6		1		
	3	4		1		
	4	12				
	5	17				
	6	17			1	
	7	7			1	
	8	17			1	
	9	13			-	1
	10	17			1	-
	11	8			1	
	12	9			-	
	13	5			1	
	14	14			1	
	15	9			-	1
	16	16			1	-
	17	14			-	1
	18	5				-
	19	10			1	
	20	8			-	
	21	12				
	22	16				
	23	14				
	24	14			1	
	25	17			1	
	26	15				
	27	10				
	28	9				
	29	15				
		11			1	
	30	15			1	
	31 32	12				1
month: TruHeight Growth Protein Shake is easy to prepare	32	12				
ıbject#	Age	7	strongly agree	agree	disagree	strongly disagre
ubject#	Age 2	7 6		1		
ubject#	Age 2 3	7 6 4				
ıbject#	Age 2 3 4	7 6 4 12		1		
month: TruHeight Growth Protein Shake is easy to prepare ubject # id not show to SV3	Age 2 3 4 5 5	7 6 4 12		1		
ubject#	Age 2 3 4 5 6	7 6 4 12 17	strongly agree	1 1		
ıbject#	Age 2 3 4 5 6 7	7 6 4 12 17 17	strongly agree	1		
ıbject#	Age 2 3 4 5 6 7 8	7 6 4 12 17 17 7	strongly agree	1 1		
ıbject#	Age 2 3 4 5 6 6 7 7 8 9 9	7 6 4 12 17 17 7 17 17	strongly agree	1		
ubject#	Age 2 3 4 5 6 7 8 9 10	7 6 4 12 17 17 7 17 13	strongly agree	1		
ıbject#	Age 2 3 4 5 6 7 8 9 10 11	7 6 4 12 17 17 7 17 13 17 8	strongly agree	1		
ıbject#	Age 2 3 4 5 6 7 8 9 10 11 12	7 6 4 12 17 17 7 17 13 17 8	strongly agree 1 1 1 1	1		
ıbject#	Age 2 3 4 5 6 7 8 9 10 11 12 13	7 6 4 12 17 17 7 17 13 17 8 9	strongly agree	1		strongly disagro
ıbject#	Age 2 3 4 5 6 7 8 9 10 11 12 13 14	7 6 4 12 17 17 7 17 13 17 8 9 5	strongly agree 1 1 1 1	1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15	7 6 4 12 17 17 7 17 13 17 8 9 5 14	strongly agree 1 1 1 1	1		strongly disagr
ıbject#	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	7 6 4 12 17 17 7 7 17 13 17 8 9 5 14	strongly agree 1 1 1 1	1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	12 17 17 17 17 17 13 17 18 8 9 5 14 9	strongly agree 1 1 1 1	1		strongly disagr
ıbject#	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	12 17 17 17 17 17 13 17 8 9 9 16 14	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	12 17 17 17 17 17 13 17 8 9 9 5 14 9 16 14 5	strongly agree 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	7 6 4 12 17 7 7 17 7 13 13 17 8 9 9 5 14 9 16 16 16 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	7 7 6 4 12 17 17 7 13 17 8 9 9 16 14 9 16 14 9	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	7 6 4 12 17 7 7 17 7 13 13 17 8 9 9 5 14 9 16 16 16 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	12 17 6 4 12 17 7 17 17 13 17 18 9 9 5 14 9 16 11 10 8 8 11 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	5 7 6 4 12 17 7 17 13 17 18 9 9 16 14 9 10 8 12 10 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	2 5 5 7 7 6 6 4 12 17 17 17 17 18 8 9 9 16 14 15 10 8 8 12 16 14 17 17 17 18 17 18 18 12 16 14 17 17 18 17 17 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	5 7 6 4 12 17 17 7 17 13 17 8 9 9 16 14 9 10 8 8 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	5 7 6 4 12 17 17 7 7 7 7 7 7 7 7 8 9 9 16 14 5 10 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	5 7 6 4 12 17 17 7 17 13 17 8 9 9 16 14 9 10 8 8 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	5 7 6 4 12 17 17 7 7 7 7 7 7 7 7 8 9 9 16 14 5 10 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1 1 1 1	1 1 1 1 1		strongly disagr
bject #	Age 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	5 7 6 4 12 17 17 7 7 13 17 8 9 9 5 14 9 9 16 14 5 10 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		strongly disagr



3 month: TruHeight Growth Protein shake is easy to consume						
ubject#	Ag		strongly agree	agree	disagree	strongly disagre
Pid not show to SV3		7				
	2	6			1	
	3	4			1	
	4	12				
	5	17				
	6	17			1	
	7	7			1	
	8	17	1			
	9	13	1			
	10	17	1			
	11	8			1	
	12	9			-	
	13	5			1	
	14	14			1	
					1	
	15	9				1
	16	16			1	
	17	14				
	18	5				
	19	10			1	
	20	8				
	21	12				
	22	16				
	23	14				
	24	14				
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11				1
		11				1
	21	10				
	31 32	15 12			1	
3 month: TruHeight Growth Protein is easy to digest	32	12				
Subject #		12 e		agree	1 disagree	strongly disagre
	32 Ag	12 e 7	strongly agree			strongly disagre
Subject #	32 Ag	12 e 7 6			disagree	strongly disagre
Subject #	32 Age 2 3	12 e 7 6 4	strongly agree			strongly disagre
Subject #	Age 2 3 4	12 e 7 6 4 12	strongly agree		disagree	strongly disagre
Subject #	Ag Ag 2 3 4 5	12 e 7 6 4 12 17	strongly agree		disagree	strongly disagre
Subject #	Ag. Ag. 3 4 5 6	12 e 7 6 4 12 17	strongly agree		disagree	strongly disagre
Subject #	Ag 2 3 4 5 6 7	12 e 7 6 4 12 17 17	strongly agree		disagree	strongly disagre
Subject #	2 3 4 5 6 7 8	12 e 7 6 4 12 17 17 7	strongly agree 1		disagree	strongly disagre
Subject # Did not show to SV3	2 3 4 5 6 7 8 9	12 e 7 6 4 12 17 17 7 17	strongly agree 1 1		disagree	strongly disagre
Subject # Did not show to SV3	2 3 4 5 6 7 8	12 e 7 6 4 12 17 17 7	strongly agree 1		disagree	strongly disagre
Subject # Did not show to SV3	2 3 4 5 6 7 8 9	12 e 7 6 4 12 17 17 7 17	strongly agree 1 1		disagree	strongly disagre
Subject # Did not show to SV3	Ag Ag 2 3 4 5 6 7 8 9 10	12 6 4 12 17 17 7 17 13	strongly agree 1 1		disagree 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag Ag 2 3 4 5 6 7 8 9 10 11	12 e 7 6 4 12 17 17 7 17 13 17 8	strongly agree 1 1		disagree 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag A	12 e 7 6 4 12 17 7 17 13 17 8 9 5	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag Ag Ag 1	12 e 7 6 4 12 17 7 17 17 8 9 5 14	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag A	e 7 6 4 12 17 17 7 13 17 8 9 5 14 9	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag A	12 6 4 12 17 7 7 17 13 17 8 9 5 14	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Age	12 6 4 12 17 17 7 7 13 17 8 9 5 14	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag: Ag: 2 3 3 4 4 5 6 7 8 9 110 111 112 113 114 115 116 117 118	12 e e 7 6 6 4 12 17 17 17 17 18 8 9 5 14 4 9 16 14 5 5	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagr
Subject # Did not show to SV3	Ag: Ag: 2 2 3 4 4 5 6 7 8 9 9 10 11 11 12 13 13 14 11 5 11 6 11 7 18 11 9	12 7 6 4 12 17 7 17 13 17 5 14 9 16 16 15 16 16 17 17 17 17 17 17 17 17 17 17	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag Ag 2 2 3 4 4 5 5 6 6 7 7 8 8 9 9 110 111 112 113 114 115 116 117 118 119 119 119 119 119 119 119 119 119	12 7 6 4 4 12 17 7 7 17 13 17 8 9 9 16 14 9 16 16 16 17 18 18 19 19 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag 2 2 3 4 5 5 6 7 7 8 8 9 9 110 111 112 113 114 115 116 117 118 119 220 221	12 8 7 6 4 12 17 7 7 7 13 17 8 9 9 16 14 5 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag A	12 7 6 4 12 17 7 7 7 7 7 7 8 9 9 5 14 9 16 14 9 16 16 17 17 18 19 19 19 19 19 19 19 19 19 19	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag Ag 2 3 4 4 5 6 6 7 8 8 9 9 110 111 12 13 13 14 115 116 117 118 119 120 20 21 22 23	12 7 6 4 12 17 7 7 17 7 7 17 8 9 9 16 14 9 16 16 18 19 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag	12 7 6 4 12 17 17 17 13 17 18 9 9 16 14 5 10 8 8 12 12 13 14 15 16 16 16 16 17 17 17 17 18 18 18 18 18 18 18 18 18 18	strongly agree 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ags	12 7 6 4 12 17 7 17 7 17 8 9 16 14 5 10 8 12 16 14 14 17	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag 'Ag 'Ag 'Ag 'Ag 'Ag 'Ag 'Ag 'Ag 'Ag '	12 e e 7 6 4 4 12 17 7 17 17 18 9 9 16 14 5 10 8 8 12 16 14 17 17 17 17 18 17 17 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag: Ag: 2 2 3 4 4 5 6 7 8 8 9 110 111 12 113 114 115 117 118 119 119 119 119 119 119 119 119 119	12 e 7 7 6 4 4 12 17 7 7 7 17 13 17 8 9 9 16 14 5 10 0 8 12 16 14 17 15 15 10	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Age	12 e 7 7 6 4 12 17 7 7 17 13 17 8 8 9 16 14 5 10 18 12 16 14 17 15 10 9	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Ag: Ag: 2 2 3 4 4 5 6 7 8 8 9 110 111 12 113 114 115 117 118 119 119 119 119 119 119 119 119 119	12 e 7 7 6 4 4 12 17 7 7 7 17 13 17 8 9 9 16 14 5 10 0 8 12 16 14 17 15 15 10	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Age	12 e 7 7 6 4 12 17 7 7 17 13 17 8 8 9 16 14 5 10 18 12 16 14 17 15 10 9	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre
Subject # Did not show to SV3	Age 2 3 3 4 5 5 6 7 7 8 9 9 10 11 11 12 13 13 14 15 116 117 18 19 20 21 22 22 23 24 25 26 27 28 29	12 e e 7 7 6 4 4 12 17 7 17 17 8 9 9 16 14 5 10 8 12 16 14 14 17 15 10 9 15	strongly agree 1 1 1		disagree 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly disagre



3 month: My child enjoys consuming TruHeight Growth Protein shake on a daily basis	^			4:	
ubject #	Age	strongly agree	agree	disagree	strongly disagre
and not show to svs		7 6 1			
3		4 1	L		
4					
5					
6			1		
7		7	1		
8	1	7	1		
9	1	3	1		
10	1	7	1		
11		8	1		
12		9 1			
13		5			1
14					1
15		9			1
16		6	1		-
17			-		1
18		5			-
18		0	1		
		8	1		
20					
21		2			
22		6			
23		4			
24			1		
25					
26					
27	1	0			
28		9			
29		5			
30					1
31		5			
32					
	- 1	2			1
52	1	2	1		1
			agree		
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or	Age	strongly agree	agree	disagree	strongly disagr
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to \$V3	Age	strongly agree			
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2	Age	strongly agree 7	1		
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3	Age	strongly agree 7 6 1	1		
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4	Age 1	strongly agree 7 6 4 1	1		
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 5	Age	strongly agree 7 6	1	disagree	
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6	Age 1 1 1 1	strongly agree 7 6 1 4 2 7 7	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7	Age 1 1 1 1	strongly agree 7 6 1 4 1 2 7 7	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7	Age 1 1 1 1 1	strongly agree 7 6 1 4 2 7 7 7 7 7	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 7 7 7 7 7	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 1 4 2 7 7 7 7 7 7 8	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 7 8 9	1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 7 8 8 9 9 5	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 5 6 7 8 9 10 11 12 12 13	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 8 9 9 5 4	1 1 1 1	disagree	strongly disag
nonth: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 7 8 8 9 9 5	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 5 6 7 8 9 10 11 12 12 13	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 8 9 9 5 4	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 4 4	1 1 1 1	disagree	strongly disag
nonth: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 14 15 16 17	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 9 6 6 4 5 7	1 1 1 1	disagree	strongly disag
nonth: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15 16 17 18	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 8 9 9 5 4 4 9 6 6 4 5 0	1 1 1 1	disagree	strongly disag
nonth: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 8 8 9 9 6 4 4 5 0 8	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 5 6 7 8 9 10 11 12 12 13 14 15 16 17 18 19 20 20	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 6 4 5 0 0 8 8 2	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 14 15 16 16 17 18 19 20 20 21	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 6 4 9 6 6 4 9 6 6 8 2 6	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 5 6 7 8 9 10 11 12 13 13 14 15 15 16 17 18 19 20 21	Age 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 8 8 9 9 6 4 4 9 6 6 4 5 0 8 8 2 6 6 4 4	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 14 14 15 16 16 17 17 18 18 19 20 21 22 22 23	Age	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 8 9 9 6 4 4 5 0 8 8 2 6 4 4 4	1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 14 15 16 17 18 19 20 21 22 23 24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 4 5 0 8 2 6 4 7	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 13 14 15 15 16 16 17 18 19 20 20 21 22 23 24 24	Age	strongly agree 7 6 6 1 4 2 7 7 7 7 7 8 8 9 9 5 4 4 9 6 4 4 4 7 5 5	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 7 8 9 10 11 12 12 13 14 15 16 17 18 19 20 21 22 23 24	Age	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 4 5 0 8 2 6 4 7	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 10 11 12 12 13 13 14 15 15 16 16 17 18 19 20 20 21 22 23 24 24	Age	strongly agree 7 6 6 1 4 2 7 7 7 7 7 8 8 9 9 5 4 4 9 6 4 4 4 7 5 5	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 10 10 11 12 12 13 14 15 15 16 17 18 18 19 20 20 21 22 22 23 24 25 26 26 27 28	Age	strongly agree 7 7 6 1 4 2 7 7 7 7 7 7 8 9 9 6 4 4 5 0 8 8 2 6 4 4 7 7 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or d not show to SV3 2 3 4 4 5 6 7 8 9 9 10 11 11 12 12 13 13 14 15 16 16 17 18 19 20 20 21 22 22 23 23 24 25 26 26 27	Age	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 6 4 4 7 7 5 0 8 8 2 6 6 4 4 7 7 5 5 0 9 5 5	1 1 1 1 1 1	disagree	strongly disag
month: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or id not show to SV3 2 3 4 4 5 6 7 8 8 9 10 11 12 12 13 14 15 15 16 17 18 18 19 20 21 22 22 23 24 25 26 26 27 28	Age	strongly agree 7 6 6 1 4 2 7 7 7 7 7 7 8 9 9 5 4 9 6 6 4 4 7 7 5 0 8 8 2 6 6 4 4 7 7 5 5 0 9 5 5	1 1 1 1 1 1	disagree	strongly disag

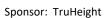


3 month: When does your child usually consume the protein shake in a day								
Subject #	Age		breakfast	morning snack	lunch	afternoon snack	dinner	after dinner
Did not show to SV3	ABC.	7		morning struck	TOTICH	ditemoon shack	diffici	ditter diffiner
Statististististististististististististist	2	6		1				
	3	4		1				
	4	12		_				
	5	17						
	6	17				1		
	7	7						1
	8	17				1		
	9	13		1				
	10	17		1				
	11	8						
	12	9						1
	13	5						1
	14	14						1
	15	9		1				
	16	16				1		
	17	14						1
	18	5						
	19	10						1
	20	8						
	21	12						
	22	16						
	23	14						
	24	14						1
	25	17						
	26	15						
	27	10						
	28	9						
	29	15						
	30	11						1
	31	15						
	32	12		1				
2 manths Have you shaped your distance nothern in the most 2 manths								

2 marth: Usua usu shaqaad usus distan qattara is the east 2 marths				
3 month: Have you changed your dietary pattern in the past 3 months				
Subject #		Age	yes	no
Did not show to SV3		7		
	2	6		
	3	4		
	4	12		
	5	17		
	6	17		
	7	7		
	8	17		
	9	13		
	10	17		
	11	8		
	12	9		
	13	5		
	14	14		
	15	9		
	16	16		
	17	14		
	18	5		
	19	10		
	20	8		
	21	12		
	22	16		
	23	14		
	24	14		
	25	17		
	26	15		
	27	10		
	28	9		
	29	15		
	30	11		
	31	15		
	32	12		



3 month: I want to purchase TruHeight Growth Protein Shake for home consumption in the future Subject #	Age		strongly agree	agree	disagree	strongly disagre
Did not show to SV3	Age	7		ugice	u130g1CC	survingly disagle
and not show to 545	2	6		1		
	3	4		1		
	4	12		_		
	5	17				
	6	17		1		
	7	7		1		
	8	17		1		
	9	13	1			
	10	17		1		
	11	8		1		
	12	9		1		
	13	5				1
	14	14				1
	15	9				1
	16	16		1		
	17	14		1		
	18	5				
	19	10				1
	20	8				
	21	12				
	22	16				
	23	14 14		1		
	24 25	17		1		
	26	15				
	27	10				
	28	9				
	29	15				
	30	11		1		
	31	15		-		
	32	12				1
B month: I will recommend TruHeight Growth Protein Shake to my friends and family						
Subject #	Age	7	strongly agree	agree	disagree	strongly disagr
3 month: I will recommend TruHeight Growth Protein Shake to my friends and family Subject # Did not show to SV3	2	7 6	1	L		strongly disagr
Subject #	2	7 6 4	1			strongly disagr
subject #	2 3 4	7 6 4 12	1	L		strongly disag
ubject#	2 3 4 5	7 6 4 12 17	1	:	1	strongly disag
ubject#	2 3 4 5	7 6 4 12 17	1	:	1	strongly disag
subject #	2 3 4 5 6	7 6 4 12 17 17	1		1	strongly disag
subject #	2 3 4 5 6 7	7 6 4 12 17 17 7	1		1	strongly disag
subject #	2 3 4 5 6 7 8	7 6 4 12 17 17 7 17	1	:	1	strongly disag
subject #	2 3 4 5 6 7 8 9	7 6 4 12 17 17 7 17 13	1		1	strongly disag
Subject #	2 3 4 5 6 7 8 9 10	7 6 4 12 17 17 7 17 13 17	1			strongly disag
Subject #	2 3 4 5 6 7 8 9 10 11	7 6 4 12 17 17 7 17 13 17 8	1			strongly disage
Subject #	2 3 4 5 6 7 8 9 10 11 12	7 6 4 12 17 7 7 17 13 17 8 9	1 1			
Subject #	2 3 4 5 6 7 8 9 10 11 12 13	7 6 4 12 17 7 17 13 17 8 9 5	1			strongly disag
subject #	2 3 4 5 6 7 8 9 9 10 11 11 12 13 14	7 6 4 12 17 7 7 17 13 17 8 9 5 14	1			
subject #	2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	7 6 4 12 17 7 17 13 17 8 9 5 14	1 1			
subject #	2 3 4 5 6 7 8 9 10 11 12 13 13 14 15 16	7 6 4 4 12 17 17 17 17 13 17 18 9 9 16 14 14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1 1			
subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	77 66 44 122 177 77 17 13 177 8 8 9 9 5 14 9 16 14 14 5	1			
subject #	2 3 4 4 5 6 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19	7 6 4 4 122 177 177 177 133 177 18 9 9 16 14 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	3 3 1			
subject #	2 3 4 5 6 7 8 9 10 11 12 13 13 14 15 16 17 18 19 20	77 66 44 122 177 77 17 13 177 8 8 9 9 5 14 9 16 14 14 5	1 1			
Subject #	2 3 4 4 5 6 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19	7 6 4 4 122 177 177 177 137 147 15 16 16 17 17 17 17 17 17 17 18 17 17 17 18 17 17 17 18 17 17 17 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1			
Subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	77 66 44 122 177 77 177 133 177 8 8 9 9 16 14 5 10 8 8 12 12 16	1			
subject #	2 3 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	7 6 4 4 12 17 17 17 17 13 17 18 8 9 16 14 14 15 10 8 12 12	3 1			
Subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	7 6 4 4 12 17 17 17 17 13 17 17 18 9 16 14 15 10 10 8 12 16 14 14 16 14 16 14 16 16 14 16 16 16 16 16 16 16 16 16 16 16 16 16	1 1			
subject #	2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24	7 6 6 4 12 12 17 17 17 17 13 17 15 15 16 16 16 17 17 16 18 17 17 18 18 19 16 14 15 10 10 18 12 16 14 14 14 14 14 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1			
Subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	77 66 4 122 177 77 77 133 177 18 8 9 9 16 14 5 5 10 10 8 8 12 12 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1			
subject #	2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	77 66 44 122 177 77 77 133 177 18 8 9 9 16 14 15 10 8 8 12 16 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	1 1			
Subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 19 22 23 24 25 26 27	77 66 44 122 177 77 77 133 177 18 8 9 9 5 5 144 5 5 100 8 8 12 16 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16				
Subject #	2 3 3 4 4 5 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	7 6 6 4 4 12 17 7 17 17 17 13 17 17 18 8 9 9 16 14 14 15 16 14 17 15 10 0 9 9				
subject #	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	77 66 44 122 177 77 13 177 18 8 9 9 16 14 14 5 5 10 10 8 8 12 16 14 17 17 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	1			

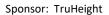




6 month: Height of your child visibly appears taller						
Subject #			strongly agree	agree	disagree	strongly disagre
	1	7				
	2	6		1		
	3 4	4		1		
	4	12				
	5	17				
	6 7 8	17		1		
	7	7		1		
		17				
	9	13		1		
	10	17		1		
	11	8		1		
	12	8 9 5		1		
	13			1		
	14	14		1		
	15	9		1		
	16	16		1		
	17	14		1		
	18	5				
	19	10		1		
	20	8				
	21	12				
	22	16				
	23	14				
	24	14				
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11		1		
	31	15				
	32	12				

6 month: TruHeight Growth Protein Shake is rich in nutrition					
Subject #			agree	disagree	strongly disagre
	1	7			
	2	6	1		
	3	4	1		
	4	12			
	5	17			
	6	17	1		
	7	7	1		
	8	17			
	9	13			
	10	17	1		
	11	8	1		
	12	9	1		
	13	5	1		
	14	14	1		
	15	9	1		
	16	16	1		
	17	14	1		
	18	5			
	19	10	1		
	20	8			
	21	12			
	22	16			
	23	14			
	24	14			
	25	17			
	26	15			
	27	10			
	28	9			
	29	15			
	30	11	1		
	31	15			
	32	12			

5 month: TruHeight Growth Protein Shake tastes good						
Subject #			strongly agree	agree	disagree	strongly disagree
	1	7				
	2	6				
	3	4				
	4	12				
	5	17				
	6 7	17			1	
		7		1		
	8	17				
	9	13		1		
	10	17		1		
	11	8				
	12	9		1		
	13	5		1		
	14	14			1	
	15	9			1	
	16	16		1		
	17	14			1	
	18	5				
	19	10		1		
	20	8				
	21	12				
	22	16				
	23	14				
	24	14				
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11		1		
	31	15				
	32	12				





6 month: TruHeight Growth Protein Shake is easy to prepare					
ubject#			agree	disagree	strongly disagree
	1	7			
	2	6	1		
	3	4	1		
	4	12			
	5	17			
	6	17	1		
	7	7	1		
	8	17			
	9	13			
	10	17			
	11	8	1		
	12	9	1		
	13	5	1		
	14	14		1	
	15	9	1		
	16	16	1		
	17	14 5		1	
	18	5			
	19	10	1		
	20	8			
	21	12			
	22	16			
	23	14			
	24	14			
	25	17			
	26	15			
	27	10			
	28	9			
	29	15			
	30	11	1		
	31	15			
	32	12			

6 month: TruHeight Growth Protein shake is easy to consume						
Subject #		Age	strongly agree	agree	disagree	strongly disagree
	1	7				
	2			1		
	3	4		1		
	4	12 17				
	5	17				
	6			1		
	7			1		
	8	17				
	9	13				
	10	17				
	11	8		1		
	12	9		1		
	13	5		1		
	14	14			1	
	15	9		1		
	16	16		1		
	17	14			1	
	18	5				
	19	10		1		
	20	8				
	21	12				
	22	16				
	23	14				
	24	14				
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11			1	
	31	15				
	32	12				



6 month: TruHeight Growth Protein is easy to digest					
Subject #		Age	strongly agree	agree	disagree strongly disagree
	1				
	2	6			
	3	4			
	4	12			
	5	17			
	6	17	1		
	7			1	L
	8	17			
	9			1	
	10				
	11			1	
	12			1	
	13	5		1	
	14				1
	15			1	I .
	16	16		1	I .
	17				1
	18	5 10 8 12			
	19	10		1	L
	20	8			
	21				
	22	16			
	23				
	24	14			
	25	17			
	26	15			
	27	10			
	28	9			
	29	15	i		
	30			1	
	31	15			
	32	12			

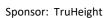
6 month: My child enjoys consuming TruHeight Growth Protein shake on a daily basis						
Subject #		Age	strongly agree	agree	disagree	strongly disagree
	1	7				
	2	6				
	3	4				
	4	12				
	5	17				
	6	17		1		
	7	7			1	
	8	17				
	9	13		1		
	10	17		1		
	11	8		1		
	12	9		1		
	13	5			1	
	14	14				
	15	9			1	
	16	16		1		
	17	14			1	
	18	5				
	19	10			1	
	20	8				
	21	12				
	22	16				
	23	14				
	24	14				
	25	17				
	26	15				
	27	10				
	28	9				
	29	15				
	30	11			1	
	31	15				
	32	12				



nonth: Consuming TruHeight Growth Protein Shake daily for the past 3 months is not a burden for me or my child Age		strongly agree	agree	disagree	strongly disag
1	7				
2	6				1
3	4				1
4	12				
5	17				
6	17		1	1	
7	7		1	1	
8	17				
9	13	1			
10	17		1	1	
11	8		1	1	
12	9		1	1	
13	5			1	
14	14			1	
15	9			1	
16	16		1	1	
17	14			1	
18	5				
19	10		1	1	
20	8				
21	12				
22	16				
23	14				
24	14				
25	17				
26	15				
27	10				
28	9				
29	15				
30	11			1	
31	15				
32	12				

Age 1 2 3 4 5 5 6 7 7 8 9 10	7 6 4 12 17 17 7 7		morning 1		afternoon snat din		after dinner
2 3 4 5 6 7 8 9	6 4 12 17 17						
3 4 5 6 7 8 9	12 17 17 17						
4 5 6 7 8 9	17 17 7						
6 7 8 9	17 7						
7 8 9 10	7						
8 9 10					1		
9 10	17						1
10							
	13		1				
	17		1				
11	8						1
12	9				1		
13	5					1	
14	14						1
15	9				1		
16	16				1		
17	14						1
18							
19	10						1
20							
21							
22							
23	14						
24							
25							
28							
29							
30						1	
31	15 12						
	18 19 20 21 22 23 24 25 26 27 28 29 30	18 5 19 10 20 8 21 11 22 22 16 23 14 24 14 25 17 26 12 27 10 28 9 29 15 30 11	18 5 19 10 20 8 21 12 22 16 23 14 24 14 25 17 26 15 27 10 28 9 29 15 30 11	18 5 19 10 20 8 21 12 22 16 23 14 24 14 25 17 26 15 27 10 28 9 29 15 30 11	18 5 19 10 20 8 21 12 22 16 23 14 24 14 25 17 26 15 27 10 28 9 29 15	18 5 19 10 20 8 21 12 22 16 23 14 24 14 25 17 26 15 27 10 28 9 29 15 30 11	18 5 19 10 20 8 21 12 22 16 23 14 24 14 25 17 26 15 27 10 28 9 29 15 30 11 1 1

6 month: Have you changed your dietary pattern in the past 3 months				
Subject #	Age	yes	no	
	1	7		
	2	6		1
	3	4		1
	4	12		
	5	17		
	6	17		1
	7	7		1
	8	17		
	9	13	1	
	10	17		1
	11	8		1
	12	9	1	
	13	5		1
	14	14		1
	15	9		1
	16	16		1
	17	14		1
	18	5		
	19	10		1
	20	8		
	21	12		
	22	16		
	23	14		
	24	14		
	25	17		
	26	15		
	27	10		
	28	9		
	29	15		
	30	11		1
	31	15		
	32	12		





6 month: I want to purchase TruHeight Growth Protein Shake for home consumption in the future					
Subject #			agree	disagree	strongly disagre
	1	7			
	2	6	1		
	3	4	1		
	4	12			
	5	17			
	6	17		1	
	7	7	1		
	8	17			
	9	13	1		
	10	17	1		
	11	8	1		
	12	9	1		
	13	5		1	
	14	14		1	
	15	9	1		
	16	16	1		
	17	14		1	
	18	5			
	19	10		1	
	20	8			
	21	12			
	22	16			
	23	14			
	24	14			
	25	17			
	26	15			
	27	10			
	28	9			
	29	15			
	30	11		1	
	31	15			
	32	12			

6 month: I will recommend TruHeight Growth Protein Shake to my friends and family						
Subject #			strongly agree	agree	disagree	strongly disagree
	1					
	2					
	3					
	4					
	5	17				
	6				1	
	7			1		
	8					
	9					
	10			1		
	11			1		
	12					
	13			1		
	14			1		
	15			1		
	16			1		
	17				1	
	18					
	19			1		
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28	9				
	29					
	30	11			1	
	31	15				
	32	12				



Subject	Treatment	Height cm SV1	Height cm SV2	Height cm SV3	Subject	Treatm	ent	Height fee	et SV1	Height feet SV2	Height feet SV3
1	control	104	126.5	no show		1 control		3'5		4'1.75	no show
4	control	152	155	155		4 control		5		5'1	5'1
5	control	160	161	161		5 control		5'3		5'3.5	5'3
18	control	115	116	119	1	8 control		3'9.5	5	3'9.75	3'11
20	control	119	122.5	123	2	0 control		3'11	l	4'0.25	4'1
21	control	144	144	145.5	2	1 control		4'8.5	5	4'8.75	4'9.5
22	control	152	152	152	2	2 control		5'0		4'11.75	5'0
23	control	148	150	151	2	3 control		4'8.5	5	4'11	4'11.5
25	control	167	168.5	168.5	2	5 control		5'5		5'6.25	5'6.25
26	control	156	156.5	157	2	6 control		5'1.5	5	5'1.5	5'1.25
27	control	142	144.5	147	2	7 control		4'8		4'9	4'10
28	control	126	126.5	128	2	8 control		4'1.5	5	4'1.75	4'2.5
29	control	164	164	165	2	9 control		5'4.5	5	5'4.5	5'5
31	control	161	161.5	163	3	1 control		5'3.5	5	5'3.5	5'4
2	powder	115	117	118		2 powde	г	3'9		3'10	3'11
3	powder	107	108.5	111		3 powde	r	3'6		3'6.75	3'5
6	powder	159	160	160		6 powde	г	5'2.5	5	5'3	5'3
7	powder	118	118.5	120.5		7 powde	г	3'10.	.5	3'10.75	3'11.5
30	powder	133	135	137		8 powde	r	5'1.5	5	5'0.25	no show
9	powder	141	142.5	145		9 powde	г	4'7.5	5	4'8	4'9
10	powder	170	170.5	172	1	0 powde	г	5'7		5'7.1	5'8
11	powder	117	119.5	120	1	1 powde	r	3'9		3'11	3'11
12	powder	131	132.5	133	1	2 powde	г	4'3		4'4.25	4'4.5
13	powder	100	101.5	103.5	1	3 powde	г	3'3		3'3	3'0
14	powder	159	159	160	1	4 powde	r	5'2.5	5	5'2.5	5'3
15	powder	128	130	132	1	5 powde	г	4'2.5	5	4'3.25	4'4
16	powder	166	166.5	167	1	6 powde	г	5'5.5	5	5'5.5	5'5.5
17	powder	154	158	159.1	1	7 powde	r	5'0.5	5	5'2.5	5'2.5
19	powder	144	144	148	1	9 powde	г	4'8.5	5	4'8.75	4'10
24	powder	161	163.5	no show	2	4 powde	r	5'3		5'4.25	no show
8	powder	156	153	no show	3	0 powde	r	4'4.5	5	4'5.25	4'6
32	powder	139	141	no show	3	2 powde	г	4'6.5	5	4'7.5	no show
						Subject	Tre	eatment	Mus	cle % SV1	Muscle % SV2

					Subject	Treatment	Muscle % SV1	Muscle % SV2	Wuscie % SV3
					1	control	21.8	23.8	no show
	Treatment	Body fat % SV1	Body fat % SV2	Body fat % SV3	4	control	42.3	45.4	44.5
	control	21	17.9	no show	. 5	control	48.9	52	50.3
	control	25.9	24.1	27.4	18	control	15.9	15.4	17.4
	control	28.2	28.3	28.3	20	control	20.3	21.2	23.1
	control	20.3	20.9	14.5	21	control	24.3	33.1	34.6
	control	22	18.2	12	22	control	39.9	41.7	41.7
	control	56.6	43.6	43.8		control	34.6	36.6	36.6
	control	23.8	23.6	23		control	60.6	65.7	65
	control	31.3	32	32.5		control	50	47.6	50.9
	control	25.2	21.2	21		control	30.9	34	35.1
	control	27.5	29.1	25.8		control	18.7	20.7	21.4
	control	16.8	13.5	12.3					
	control	22.8	19.5	19.8		control	48.5	45.9	48.1
	control	12	11.8	10.1		control	48.3	49.6	51.4
	control	10.1	12.5	11.7		powder	19.8	22	22.5
	powder	29.2	25.5	28	3	powder	14.3	15	13.7
	powder	20	21.2	22.9	6	powder	45.6	50.7	49.2
	powder	35	31.9	36.6	7	powder	19	20.1	20.5
	powder	19.8	18	19.2	30	powder	26.7	28.4	29.1
	powder	18	17.7	16.9	9	powder	35.9	38.4	41.7
	powder	34.2	26.9	27.7	10	powder	67.2	69.7	73.4
	powder	31.8	27.1	27.1	11	powder	15	17.4	17.2
	powder	20.9	14.3	17.7	12	powder	21.4	21.4	24.5
	powder	24.2	27	21.5	13	powder	11.9	13.4	9.3
	powder	24.9	20.5	39.6		powder	43.2	43.7	44.5
	powder	34.3	37.3	35		powder	21.2	22.7	23.4
	powder	17.5	16.6	16.9		powder	54	56.9	56
	powder	9.5	7.9	9.4		powder	40.6	44.3	46.5
	powder	15.5	11.8	11.5	_			28.4	19.4
	powder	19	19.9	42.7		powder	28.4		
	powder	15.6	13.4	no show		powder	48.3	53.4	no show
	powder	31.6	32.7	no show		powder	52.5	52.5	no show
32	powder	16.9	12.3	no show	32	powder	26.7	29.8	no show



Subject	Treatment	Weight Ib SV1	Weight Ib SV2	Weight Ib SV3	Subject	Treatment	BMI SV1	BMI SV2	BMI SV3
1	control	55.8	57.5	no show	1	control	23	16.2	no show
4	control	106.9	111.3	114.2	4	control	20.9	21.1	21.6
5	control	124.8	126.5	127.7	5	control	22.1	22.1	22.6
18	control	43.7	43	43.7	18	control	14.8	14.3	13.9
20	control	53.4	52.7	52.5	20	control	17	16.1	15.4
21	control	110.9	113.3	117.3	21	control	35.3	24.6	25
22	control	98	101.9	100.8	22	control	19.5	19.9	19.7
23	control	97.2	102.3	103.8	23	control	20	20.7	20.6
25	control	144	147.3	145.1	25	control	24	23.8	23.1
26	control	126.8	123.2	125.4	26	control	23.6	22.9	23.3
27	control	71.7	74.7	75.6	27	control	16.1	16.2	15.8
28	control	51.1	53.4	54.7	28	control	14.7	15	15.1
29	control	101	95.9	98.3	29	control	17.2	16.2	16.4
31	control	98.3	103.8	106	31	control	17.2	18.1	18.2
2	powder	57.3	57.3	62.6	2	powder	19.9	19.9	19.9
3	powder	39.3	41.7	39.5	3	powder	15.9	15.9	16.5
6	powder	130	136.2	142.4	6	powder	23.5	24.1	25.2
7	powder	49.7	50.7	52.7	7	powder	16.2	16.1	16.4
30	powder	63.5	67.2	67.9	30	powder	16.2	16.9	16.4
9	powder	103	98.1	107.1	9	powder	23.5	22	23.2
10	powder	173.7	167.3	176.4	10	powder	27.2	26.2	26.8
11	powder	42.3	43.7	44.8	11	powder	14.7	13.9	14.3
12	powder	59	60.8	63.3	12	powder	15.8	17.1	16.2
13	powder	36.8	38.1	38.1	13	powder	17.1	16.8	20.7
14	powder	123.5	130.7	127.9	14	powder	22.2	23.9	22.7
15	powder	53.4	56.4	57.8	15	powder	14.7	15.3	15
16	powder	107.5	110.9	111.6	16	powder	17.9	18.2	18.3
17	powder	90.4	93.3	97.2	17	powder	17.4	17.1	17.8
19	powder	69.7	70.1	71.7	19	powder	15.4	15.2	15
24	powder	105.6	112.7	no show	24	powder	18.7	19.4	no show
8	powder	138.5	142.2	no show	8	powder	26.2	27.8	no show
32	powder	63.9	65.9	no show	32	powder	15.2	15.1	no show

02	powaci	05.5	05.5	110 31101		powder 15.2 15.	
Sample ID	Treatment	Urine Cond	(ng/ml) SV1	Subject	Treatment	Urine Conc (ng/ml) SV3	
1	control	7.	317	1	control	no show	
4	control	1.351		4	control	9.44	
5	control	2.	229	5	control	4.123	
18	control	0.	476	18	control	4.5	
20	control	1.	718	20	control	1.791	
21	control	13	.688	21	control	4.269	
22	control	10	0.018	22	control	8.324	
23	control	13	.233	23	control	1.33	
25	control	2.	163	25	control	2.892	
26	control	8.	626	26	control	1.839	
27	control	3.	690	27	control	4.096	
28	control	2.	370	28	control	4.578	
29	control	6.	887	29	control	1.818	
31	control	6.	250	31	control	7.847	
2	powder	3.	377	2	powder	4.453	
3	powder	2.	963	3	powder	6.711	
6	powder	8.	212	6	powder	23.998	
7	powder	6.	752	7	powder	1.042	
30	powder	9.	676	30	powder	19.451	
9	powder	13	.427	9	powder	5.369	
10	powder	13	.277	10	powder	1.64	
11	powder	6.	732	11	powder	26.345	
12	powder	0.	485	12	powder	1.875	
13	powder	4.	134	13	powder	2.116	
14	powder	0.	556	14	powder	0.88	
15	powder	0.	926	15	powder	0.885	
16	powder	7.	673	16	powder	1.87	
17	powder	2.	542	17	powder	3.211	
19	powder	4.	240	19	powder	22.452	
24	powder	11	159	24	powder	no show	
8	powder	9.	418	8	powder	no show	
32	powder	8.	067	32	powder	no show	



References:

- 1. Wikipedia contributors. (2023). Stadiometer. Wikipedia. https://en.wikipedia.org/wiki/Stadiometer
- 2. InBody Technology InBody USA. (2022b, January 25). InBody USA. https://inbodyusa.com/general/technology/#ibt-sec2
- 3. Human Collagen Type X ELISA Kit. (n.d.). Innovative Research. https://www.innov-research.com/products/human-collagen-type-x-elisa-kit
- 4. Gudmann, N., & Karsdal, M. (2016). Type X Collagen. In Elsevier eBooks (pp. 73–76). https://doi.org/10.1016/b978-0-12-809847-9.00010-6
- 5. Voss L. D., Bailey B. J., Cumming K., Wilkin T. J., Betts P. R., The reliability of height measurement (the Wessex Growth Study). Arch. Dis. Child. 65, 1340–1344 (1990). [PMC free article] [PubMed] [Google Scholar]
- 6. Voss L. D., Wilkin T. J, Bailey B. J., Betts P. R., The reliability of height and height velocity in the assessment of growth (the Wessex Growth Study). Arch. Dis. Child. 66, 833–837 (1991). [PMC free article] [PubMed] [Google Scholar]
- 7. Van den Broeck J., Hokken-Koelega A., Wit J., Validity of height velocity as a diagnostic criterion for idiopathic growth hormone deficiency and Turner syndrome. Horm. Res. 51, 68–73 (1999). [PubMed] [Google Scholar]
- 8. Linsenmayer T. F., Eavey R. D., Schmid T. M., Type X collagen: A hypertrophic cartilage-specific molecule. Pathol. Immunopathol. Res. 7, 14–19 (1988). [PubMed] [Google Scholar

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