

## CHAPTER 5

### RANDOMIZATION AND TREATMENT ALLOCATION

#### 5.1 Eligibility Assessment, Treatment Allocation, and Entry into the Study

Prospective DISC participants will have a prescreening assessment plus two screening visits (SV1 and SV2) and a baseline visit (BV) at which blood will be drawn for lipoprotein determinations and assessments will be made of a child's eligibility with respect to medical conditions affecting growth and/or cholesterol levels, use of medication that may affect lipids, factors likely to increase adherence to study diet in control participants, behavior problems, and other factors. The data forms reporting the results of these assessments will be sent to the Coordinating Center where they will be checked for completeness and compliance with the DISC eligibility and exclusion criteria. A final assessment of the child's eligibility for the study will be made at the BV. If all of the DISC eligibility criteria are met, the Clinical Center will notify the Coordinating Center by electronic mail as soon as the third 24-hour dietary recall has been obtained (generally within two weeks following the BV). The Coordinating Center will then make a final check to make sure that all of the necessary forms have been received for this child, that none of the "INELIGIBLE" boxes have been checked, and that the biochemical determinations from the Central Laboratories all meet the eligibility criteria. The Coordinating Center will then transmit the treatment assignment to the Clinical Center by electronic mail. The Clinical Center will notify the child and parents/guardians of the treatment assignment by telephone and mail. If assignment has been made to the intervention group, an appointment will be made for the first intervention session. The transmission of the treatment allocation from the Coordinating Center to the Clinical Center marks the child's official

entry into DISC. This means that the child will be included in the DISC data analyses even if he/she decides the next day to drop out of the study.

## 5.2 Randomization Procedure

Separate randomization schedules for each of four age-sex strata within each of the six DISC Clinical Centers will be computer-generated at the Coordinating Center. The age-sex strata are: 8-year old females, 9-year old females, 9-year old males, and 10-year old males. Each schedule will be designed to provide approximate balance in the number of participants assigned to the intervention and control groups within each stratum throughout the enrollment period.

Each of the 24 randomization schedules will contain sequences of 45 allocations, nearly twice the number expected for each stratum. These schedules will be used by Coordinating Center staff in preparing treatment allocations.

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## CHAPTER 6

### INSTRUCTIONS FOR COMPLETING DATA COLLECTION FORMS

#### 6.1 Introduction

An important principle in forms processing at the DISC Coordinating Center is to process information as submitted without interpretation or second guessing what the recorder intended. Providers of the data are requested to complete forms as clearly and as legibly as possible, and to follow certain conventions in reporting data to minimize the possibility of errors in processing the data collection forms at the Coordinating Center. The procedures to be followed are presented below.

#### 6.2 General Instructions

##### 6.2.1 Pen Color

Use pens with either blue or black ink. Never use red ink or pencil for completing study forms.

##### 6.2.2 Cover Page

Each form includes a cover page (or occasionally two cover pages) containing participant identifying information. In order to assure participant privacy, these cover pages are to be removed before sending the form to the Coordinating Center. Thus, the only participant identifying information given to the Coordinating Center will be the participant ID number and the six-character participant name code.

##### 6.2.3 I.D. Labels

Each DISC form has a box in the upper right hand corner of the first page and all but the self-administered forms have the same box on the cover page. Computer-generated ID labels containing the participant's six-digit

ID number and six-character name code (NC) and the visit number (VN)--SV01, SV02, BV00, MN06, MN12, MN36, MN37, MN48, YR05, YS05, YR06, YR07, YS07, YR08, YR09, YS09, FV01, FV02, FV03 -- should be affixed to these two places on the forms, as well as affixed to the back of the last page of each form.

#### 6.2.4 Recording Data

The following guidelines should be followed in completing a DISC data form in order to facilitate accurate keying of the data at the Coordinating Center.

##### 6.2.4.1 Responses Answered by a Check mark (✓) or an "X"

- A. If a response is to be answered by a check mark (✓) or an "X," only a check mark or an "X" WITHIN the box is an acceptable response. This guideline has several implications.
  - 1. A response outside the box will be considered as missing data (see example 1).
  - 2. A continuous line appearing through a series of responses when a check mark or an "X" is required, will be considered as missing data (see example 2) for each item.
- B. If more than one response is answered for an item requiring a single response, the item will be considered missing data (see example 3).
- C. Double digit code numbers for responses should be recorded with leading zeros if applicable.

##### 6.2.4.2 Numeric Responses

- A. Dates are data entered as month, day and year.
- B. Times are data entered as hour and minutes.
- C. All measurements (e.g., blood pressure, height, weight, etc.) are recorded with leading zeros if applicable.

- D. If an item has a specified number of response spaces and the number of digits recorded on the form exceeds the number of spaces, the response will be considered missing data. If the extra digit is a fraction, round the value using the following guideline -  $< 0.5$  ignore the fraction;  $> 0.5$  round up to the next whole number.
- E. Only the decimal points provided in the response space will be valid; decimal points must not be written in. For example, in Form 02, three spaces without a decimal point are provided for recording the child's weight. In this case, a weight of 48.6 kg should be recorded as 049 (i.e., rounding to the nearest whole number) rather than 48.6. In another example, for Form 03, item 12A, the white blood count is 103.8. The response space provided on the form is            . A response of 103.8 will not be accepted by the data entry operator. Rather, the largest acceptable value--99.97-- should be entered, the actual value written in the margin, and the Coordinating Center alerted to the fact that the response space is too short. In general, if the response space provided on the form is too short to accommodate a given response, values such as 97, 997, 999.97, etc., should be recorded as the largest acceptable value. Do not use codes of 99, 999, 999.99, 98, 998, 999.98, etc. since they are used by the Coordinating Center as missing value codes.
- F. If the response is not recorded in the unit specified on the form, the response will be entered as missing data.

#### 6.2.4.3 Character Responses

##### A. Name Codes

When ID labels are not used, name codes must be written as capital letters.

##### B. Legibility

If a response is to be answered by other than a check mark (✓) or an "X," the response should be PRINTED clearly in the spaces provided. Abbreviations are not to be used by the clinical center staff unless absolutely necessary and then only widely recognized abbreviations are permitted.

#### 6.2.4.4 Overwritten and Unsolicited Responses

##### A. Overwritten Responses

1. If the response has been overwritten to delineate the existing mark, the response will be acceptable (see example 4).
2. If the response has been overwritten to change the response, then it will be considered illegible (see example 5) unless the desired response is clearly designated as the correct response.
3. An incorrect numeric or alphabetic response should be completely crossed out and the correct numeric or alphabetic response written clearly and neatly above or below the original response (see example 6). The correct response should be circled and initialed by the individual making the correction.

## B. Unsolicited Responses

1. Unsolicited responses written within the items on the forms are not keyed and thus this information is not entered into the computer system (see example 7).
2. Items on forms must not be changed by crossing out, deleting, or adding words to the items.

### 6.2.5 Sending Forms

#### 6.2.5.1 Send Originals

Always send the original of a completed form, not a photocopy nor the second pages of a form using NCR paper.

#### 6.2.5.2 Copied Forms

It is strongly preferred that completed forms not be copied over by hand at the clinic prior to sending to the Coordinating Center. If a particularly messy/illegible form must be copied over, BOTH the original of the hand-copied form plus the original of the original form should be sent together (stapled together) to the Coordinating Center.



6.3 DISC Forms by Number and Title

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
	Three-Day Food Record		
01	Screening Visit 01 Form	0	10/21/87
	Screening Visit 1 Form	1	09/14/88
02	Screening Visit 01 Summary	0	11/03/87
	Screening Visit 01 Summary	1	12/08/87
	Screening Visit 01 Summary (NCR Paper)	2	09/19/88
03	Screening Visit 02 Summary	0	11/18/87
	Screening Visit 02 Summary	1	02/23/88
	Screening Visit 02 Summary (NCR Paper)	2	09/14/88
04	Anthropometry and Maturity Form	0	11/18/87
	Anthropometry Form (SV02) (NCR Paper)	1	09/14/88
	Anthropometry Form (MN12)	1	09/14/88
4A	Anthropometry Form - American Method	0	03/30/89
05	Blood Pressure Form	0	11/03/87
	Blood Pressure Form (SV02 & BV00) (NCR Paper)	1	09/14/88
	Blood Pressure Form (MN12)	1	09/14/88
	Blood Pressure Form	2	12/21/94
06	Physical Examination Form	0	10/21/87
	Physical Examination Form (SV02) (NCR Paper)	1	09/14/88
	Physical Examination Form (MN12)	1	09/14/88
	Physical Examination Form (MN12)	2	12/13/89

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
07	Parent/Guardian Information Form	0	02/01/88
	Parent/Guardian Information Form (NCR Paper)	1	09/14/88
08	Child History Form	0	10/21/87
	Child History Form (SV02) (NCR Paper)	1	09/14/88
	Child History Form (MN12)	1	09/14/88
09	Baseline Visit Form (No Rev. 0)	1	02/23/88
	Baseline Visit Summary (NCR Paper)	2	09/14/88
10	Physical Activity Assessment Form	0	11/30/87
	Physical Activity Assessment Form (BV00) (NCR Paper)	1	09/14/88
	Physical Activity Assessment Form (MN12)	1	09/14/88
11	Venipuncture Form	0	11/17/87
	Adult Venipuncture Form (IV01)	1	10/09/89
12	Preliminary Screening Form	0	09/14/88
	Preliminary Screening Form	1	10/03/88
	Preliminary Screening Form	2	10/16/89
	Preliminary Screening Form	3	10/16/89
13	Physical Activity Assessment Form	0	01/28/93
	Physical Activity Assessment Form	1	11/15/94
14	Six-Month Visit Form (No Rev. 1)	0	09/02/88
	Six-Month Visit Form	2	09/26/89
15	Child Medical Information Follow-Up Form	0	03/16/89
	Child Medical Information Follow-Up Form	1	10/25/89 & 12/18/90

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
16	Twelve Month Visit Summary	0	03/20/89
	Twelve Month Visit Summary	1	12/01/89
17	Baseline DAQ - C	0	04/03/89
	Baseline DAQ - C	1	08/04/89
18	Interim DAQ - C	0	03/22/89
19	Local Laboratory Report (MN12 - Cohort 1 only)	0	08/08/89
20	Prescreening Log	0	10/87
21	Dietary Eligibility Questionnaire	0	02/23/88
	Dietary Eligibility Questionnaire (NCR Paper)	1	09/14/88
22	Dietary Recall/Record (NCC Form)		1987
23	NCC Packing List	0	01/28/88
24	Dietary Patterns Questionnaire (Cohort 1 only - MNO6)	0	09/14/88
	Dietary Patterns Questionnaire (Cohort 1 only - MN12)	1	03/13/89
25	Third 24-Hour Dietary Recall and Request for Randomization	0	01/89
	Third 24-Hour Dietary Recall and Request for Randomization	1	06/89
26	Stature-Maturity Form	0	09/28/89
27	Growth Monitoring Form (GS15 - GS22)	0	07/18/89
	Growth Monitoring Form (GS15 - GS22)	1	08/16/89
	Growth Monitoring Form (IM15 - IM54)	2	01/16/90

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
28	Twenty-Four Month Visit Summary	0	12/01/89
29	Revised Stature-Maturity Form (No Rev. 1)	0	12/11/91
	Revised Stature-Maturity Form	2	01/11/93
	Revised Stature-Maturity Form	3	07/29/93
	Revised Stature-Maturity Form	4	02/01/95
30	Participant Information Form (MN36)	0	10/25/90
	Participant Information Form	1	01/93
31	Achenbach Child Behavior Checklist	0	1981
	Achenbach Child Behavior Checklist (Revised)	0	1988
	Revised Child Behavior Profile Boys: Blue Girls: White	0	1982
	Achenbach Child Behavior Summary (Male/Female Respondents)	1	03/09/89
	Achenbach Child Behavior Summary (Same Sex Respondents)	2	03/23/89
32	Woodcock-Johnson Math and Reading Clusters	0	1977
33	CD Form (Child Depression Inventory) (NCR Paper)	0	11/30/87
34	How I Feel Form (STAI) (NCR Paper)	0	11/30/87
35	Family Environment Form (NCR Paper)	0	11/30/87
	Family Environment Form	1	12/20/94
36	Life Experiences Survey	0	03/17/88
37	Child Behavior Inventory	0	02/17/88
38	Parent Physical Exam (MN36)	0	01/09/91
	Parent Physical Exam (MN36)	1	01/93

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
39	Forty-Eight Month Visit Summary	0	10/30/91
40	NDS (Nutrient Data System) (NCC Computer Generated Print-out) (24-Hour Diet Recalls)	0	02/90
41	Household Information Form	0	02/22/88
42	Dietary Behavior Questionnaire	0	02/22/88
43	DISC Group Session Form	0	04/15/88
	Group Session Form	1	05/12/88
	DISC Group Session Form (Computer Generated) (1st 12 Months Only)	2	07/11/89
44	DISC Scheduled Individual Visit Form	0	04/15/88
	DISC Scheduled Individual Visit Form	1	06/02/88
	DISC Scheduled Individual Visit Form	2	08/18/88
	DISC Scheduled Individual Visit Form (1st 12 Months Only)	3	2/89
45	DISC Group Session Evaluation Form Adult (Cohort 1 Only)	1	05/13/88
46	DISC Group Session Evaluation Form Child (Group Sessions 1 - 14) (Cohort 1 Only)	0	04/15/88
47	DISC Intervention Evaluation Form (Intervention Sessions 1 - 14) (Cohort 1 Only)	0	04/15/88
48	Missed Session Form (Cohort 1 Only)	1	05/12/88
49	Diet Acceptability Form - Adult	0	09/13/88
	DAQ - A	1	03/14/89
50	DISC Serum Shipment Log and Report Form (Lipids)	0	11/03/87
	DISC Serum Shipment Log and Report Form (Lipids)	1	02/10/88

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
51	CDC Laboratory Report Form	0	05/19/88
52	Diet Acceptability - Child	0	09/16/88
	DAQ - C	1	03/14/89
	DAQ - C	2	02/09/93
53	DISC Monthly Contact Record (Computer Generated) (No Rev. 0)	1	06/12/89
	DISC Monthly Contact Record (Computer Generated)	2	02/02/90
54	Telephone Interview Form (Menses Data - Girls Only) (No Rev. 1)	0	12/12/90
	Telephone Interview Form (Menses Data - Girls Only)	2	11/07/92
	Telephone Interview Form (Menses Data - Girls Only)	3	11/19/92
	Telephone Interview (Menses Data - Girls Only)	4	12/15/94
55	Serum Shipment Log (Hormones)	0	12/18/89
	Serum Shipment Log (Hormones)	1	
56	DISC II Annual Visit Summary	0	01/20/93
	DISC II Annual Visit Summary	1	08/93
	DISC II Annual Visit Summary	2	02/06/95
57	Thirty-Six Month Physical Examination Form	0	01/25/91
58	Case Management Summary	0	01/25/91
	Case Management Summary	1	07/91
	Case Management Summary	2	04/93
59	DISC II Consent Status Report (No Rev. 0)	1	03/18/93

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
60	DISC Blood Spot Sample Shipment Log and Report Form (DNA Ancillary Study)	0	02/15/95
61	Central Lipoprotein Laboratory External Surveillance Form	0	03/21/89
	Central Lipoprotein Laboratory External Surveillance Form	1	12/06/93
62	Nutrition Coordinating Center External Surveillance Form	0	04/04/89
63	Telephone Administered Quality Assurance Checklist	0	11/28/89
64	DISC Calendar Cover Sheet	0	08/27/91
	DISC Calendar Cover Sheet	1	10/30/91
	DISC Calendar Cover Sheet	2	11/19/92
	DISC Calendar Cover Sheet	3	01/26/95
65	Thirty-Six Month Visit Summary	0	01/10/91
66	Thirty-Seven Month Visit Summary	0	01/02/91
67	Child History Form (MN36)	0	11/30/90
	Participant History Form	1	12/19/94
68	Child Medical Information Follow-Up Form (MN36)	0	12/07/90
	Child Medical Information Follow-Up Form (MN36)	1	12/11/91
	Child Medical Information Follow-Up Form (MN36)	2	01/20/93
	Participant Medical Information Follow-Up Form	3	02/01/95
69	Clinical Monitoring Form	0	03/08/94
70	DISC II Missed Annual Visit Form	0	05/27/94
71	Final Visit 01 Summary	0	12/21/94

6.3 DISC Forms by Number and Title (Continued)

<u>NO.</u>	<u>TITLE</u>	<u>REV.</u>	<u>DATE</u>
72	Final Visit 01 Physical Examination Form	0	12/15/94
73	Youth Self-Report for Ages 11-18 (Achenbach)	0	1991
74	Final Visit 02 Summary	0	12/16/94
75	DISC Form Order	0	09/26/88
	DISC Form Order	1	11/89
76	Beck Form	0	12/19/94
77	Self Evaluation Questionnaire	0	12/05/94
78	Final Visit 01 Medical Information Follow-Up Form	0	12/19/94
79	Confidence Rating Form I	0	12/16/94
80	Confidence Rating Form II	0	03/07/95
82	The Johns Hopkins Hospital Outpatient Lab Report (Chem Panel, T4 and TSH Values) (No Rev. 0)	1	12/88
	The Johns Hopkins Hospital Outpatient Lab Report (Chem Panel, T4 and TSH Values)	2	06/12/90
	The Johns Hopkins Hospital Outpatient Lab Report (Chem Panel, T4 and TSH Values)	3	06/20/90
83	The Johns Hopkins Hospital Outpatient Lab Report (Albumin - MN12)	0	12/88
84	DNA test results		
91	Personnel Identification Form - Intervention	1	05/88
93	DISC Intervention Tracking Form	0	01/93



EXAMPLES

Example 1 - Incorrect Response Since Outside Box

3. HOW OFTEN DO YOU EAT AT A PLACE LIKE MCDONALD'S, KENTUCKY FRIED CHICKEN, PIZZA HUT, BURGER KING, OR SOME OTHER FAST FOOD RESTAURANT?

- NEVER OR LESS OFTEN THAN ONCE A WEEK ...
- 1 TO 3 TIMES PER WEEK .....  2
- 4 TO 7 TIMES PER WEEK .....  3
- 8 OR MORE TIMES PER WEEK .....  4

19. DO YOU FOLLOW A REGULAR PROGRAM OF PHYSICAL EXERCISE? .....  YES  NO

Example 2 - Incorrect Response Since Continuous Line Through Series of Responses

20. PLEASE TELL ME WHETHER YOU FEEL THESE STATEMENTS ARE TRUE OR FALSE:

- |  | TRUE                                | FALSE                    |
|--|-------------------------------------|--------------------------|
| A. I PLAY SPORTS OR ACTIVE GAMES OFTEN .....                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B. I ENJOY ACTIVITIES LIKE HIKING, WALKING, SWIMMING AND BIKE RIDING .....   | <input type="checkbox"/>            | <input type="checkbox"/> |
| C. I WOULD RATHER READ OR WATCH TV THAN DO OUTDOOR ACTIVITIES .....          | <input type="checkbox"/>            | <input type="checkbox"/> |
| D. I BELIEVE THAT EXERCISE KEEPS YOU HEALTHY .....                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| E. I BELIEVE THAT EXERCISING REGULARLY HELPS CONTROL WEIGHT .....            | <input type="checkbox"/>            | <input type="checkbox"/> |
| F. I FEEL THAT I GET AS MUCH PHYSICAL ACTIVITY AS I NEED ...                 | <input type="checkbox"/>            | <input type="checkbox"/> |
| G. I HAVE TOO MANY OTHER THINGS TO DO WITH MY TIME OTHER THAN EXERCISE ..... | <input type="checkbox"/>            | <input type="checkbox"/> |

Example 3 - Incorrect Response Since More Than One Response Was Recorded

5. WHO PREPARES THE FOOD EATEN AT HOME MOST OF THE TIME?

- MOTHER .....  1
- FATHER .....  2
- SISTER OR BROTHER ...  3
- GRANDPARENT .....  4
- ME .....  5
- OTHER PERSON .....  6

Example 4 - Correct Response Since Overwritten Response to Delineate Existing Work

2. WHEN YOU EAT WITH OTHERS, DO YOU USUALLY FINISH FIRST,  
LAST, OR ABOUT THE SAME TIME?

- FIRST .....  1
- LAST .....  2
- SAME TIME ...  3

Example 5 - Overwritten Response to Change Response Boxes

**INCORRECT**

6. WHO DECIDES WHAT YOU EAT FOR DINNER?

- MOTHER .....  1
- FATHER .....  2
- SISTER OR BROTHER ...  3
- GRANDPARENT .....  4
- ME .....  5
- OTHER PERSON .....  6

**CORRECT**

6. WHO DECIDES WHAT YOU EAT FOR DINNER?

- MOTHER .....  1
- FATHER .....  2
- SISTER OR BROTHER ...  3
- GRANDPARENT .....  4
- ME .....  5
- OTHER PERSON .....  6

6. WHO DECIDES WHAT YOU EAT FOR DINNER?

- MOTHER .....  1 *CORRECT*
- FATHER .....  2
- SISTER OR BROTHER ...  3
- GRANDPARENT .....  4
- ME .....  5
- OTHER PERSON .....  6

Example 6 - Overwritten Response to Change Write-In Response

**INCORRECT**

	A	B	C
	<u>First Reading</u>	<u>Second Reading</u>	<u>Third Reading</u>
8. Systolic blood pressure, mmHg .....	<u>90</u>	---	---

**CORRECT**

	A	B	C
	<u>First Reading</u>	<u>Second Reading</u>	<u>Third Reading</u>
8. Systolic blood pressure, mmHg .....	<u>90</u>	---	---

Example 7 - Unsolicited Write-In Response

12. DID YOU STOP SMOKING CIGARETTES IN THE PAST YEAR? .....  YES  NO  
*stopped 2 weeks ago  
for 3rd time this  
year*

the individual making the correction.

- f. Use pens with either blue or black ink for completing the forms. Never use red ink for this purpose.
- g. Always send the original of a completed form, not a photocopy nor the second pages of a form using NCR paper.
- h. It is strongly preferred that completed forms not be copied over by hand at the Clinic prior to sending to the Coordinating Center. If a particularly messy/illegible form must be copied over, both the original of the hand-copied form plus the original of the original form should be sent together (stapled together) to the Coordinating Center.

6.2 Form 01: Screening Visit 01 Form (Rev. 1)

1. General. This form is to be completed by a parent/guardian of a prospective participant prior to Screening Visit 1 (SV1). A DISC Clinical Center interviewer should review this form with the parent/guardian at the time of SV1. The instructions given below are intended to aid the interviewer in resolving questions raised by the parent/guardian in completing the form. If, while reviewing Form 01 with the parent/guardian, an obviously incorrect response is noted due to a misunderstanding of the question, the interviewer should, with the concurrence of the parent/guardian, cross out the incorrect answer and check or write in the correct response. The correct response should be circled and initialed by the interviewer. Prior to sending this form to the Coordinating Center, Clinic staff should check it carefully for legibility and proper positioning of check marks and numerical responses.

2. Item 1, date. This is the date the parent/guardian fills out this form.
3. Item 2, relationship. If the responder says he/she is an adoptive parent of the child, check the response for "step mother or step father."
4. Item 3A, race. If the child is mixed race (i.e., one parent white and the other black, one parent East Indian and the other American Indian, etc.) check "other" and give the details on the line provided.
5. Item 3B, Hispanic. This item should be answered regardless of the answer to Item 3A.
6. Items 4A-4I, medical conditions. A "yes" response to any of these items should be probed with the parent/guardian to determine whether any of the DISC exclusion criteria (Chapter 3, Section 3.2.1) are met.
7. Item 5, maturation. A "yes" response to any of the questions in this item is a criterion for excluding the child from the study. However, if Clinic staff have any reservations about the validity of the responses given to this item, they may check the response "unknown" for Form 02, Item 18, and thus permit the child to return for Screening Visit 2 (SV2) for professional assessment of Tanner stage. A "no" response does not exempt the child from professional assessment of Tanner stage at SV2.
8. Item 6, weight change. Since a "yes" response is an exclusion criterion, the parent/guardian should be probed to make sure they understood this question correctly.
9. Item 7, hospitalization. If Item 7 is answered "yes," make sure something is written for Item 7A and that Item 7B is answered.

10. Item 7B, operations. This should include outpatient surgery. If Item 7B is answered "yes," make sure something is written in for Item 7C.
11. Items 8A, 8B, 9A, and 9B, height and weight. Make sure height is given in feet and inches and not just in inches. Also make sure that the responses for inches and pounds are right justified in the response spaces and that leading zeroes are provided where appropriate.
12. Items 8C and 9C, smoking history. Make sure responses for age and number of cigarettes are right justified in the response spaces and that leading zeroes are provided where appropriate.
13. Items 8E and 9E, number of drinks. Sometimes the parent/guardian will write in a range, e.g., "2-3." In such cases, either probe the parent/guardian for the single most appropriate figure or else change it to the lower values of the given range.

### 6.3 Form 02: Screening Visit 1 Summary (Rev. 2)

1. Item C2, LDL-C. The eligibility ranges for LDL-C are given in Chapter 3, Section 3.1.2, of the DISC Manual of Operations.
2. Item C1, date. The date of the SV1 venipuncture is the official date of SV1 for use in time windows for SV2 and the Baseline Visit (BV).
3. Item D, height and weight. Height and weight measurements made at the Prescreening Assessment may be used as SV1 height and weight provided they were made no more than 4 weeks prior to the date of the SV1 venipuncture. Also, if the date of the SV1 venipuncture is different from the date of the SV1 clinic visit, SV1 height and weight measurements must be made no later than the

date of the SV1 venipuncture.

4. Item 1, date. The date given in Form 12, Item 1 should be recorded here.
5. Items 2 and 3, birthdate and sex. The information in Form 12, Items 3 and 4 should be recorded here. A common error in Item 2 is to record the current year, e.g., "88," rather than the birth year.
6. Item 4, age eligibility. See Exhibit 6-1 at the end of this chapter for a detailed table of acceptable dates for SV1 given a child's birthdate. If there are problems with scheduling SV1, such as postponement of an appointment because of illness or having to move SV1 earlier because of vacation plans, it is permissible to extend the time window for SV1 by as much as  $\pm 2$  weeks. Thus, if the criteria for age eligibility are violated by 14 days or less, it is permissible to answer Item 4 "yes."
7. Item 5, vitamins/minerals. This item summarizes the information found in Form 12, Item 6. The following table gives the appropriate responses for a variety of situations:

<u>Number of Multi-vitamins per day</u>	<u>Amount of Vitamin C per day</u>	<u>Other vitamins or minerals</u>	<u>Response</u>
None	None	None	1
$\leq 1$	None	None	2
None	$\leq 1$ gm	None	2
None	None	Not daily	2
$\leq 1$	$\leq 1$ gm	None	2
$\leq 1$	None	Not daily	2
None	$\leq 1$ gm	Not daily	2
$\leq 1$	$\leq 1$ gm	Not daily	2
$> 1$	None or any amount	None or any amount	3
None or any number	$> 1$ gm	None or any amount	3
None or any number	None or any amount	Daily	3



8. Item 6, exclusion medications. This item should be answered on the basis of information provided on Form 12. See Chapter 3, Section 3.2.2 for details of exclusion criteria for medications.
9. Items 7-15. The responses to these items are found in Form 12.
10. Items 16A and 16B, race and Hispanic origin. The information in Form 01, Item 3 should be recorded here.
11. Item 17, medical condition. This item should be checked "yes" if there are any "yes" responses in Form 01, Items 4A-4I, even after discussing the responses in Form 01 with the parent/guardian to determine whether a particular medical condition is indeed a violation of the DISC eligibility criteria. Discrepancies between the Form 01 and Form 02 responses should be noted in Item 22 of Form 02.
12. Item 18, Tanner stage. If there is a "yes" response in any of the parts of Form 01, Item 5, Item 18 should generally be answered "yes". However, at local discretion, Item 18 may be answered "unknown" even if any of the parts of Item 5 of Form 01 are answered "yes" if local Clinic staff have reservations about the validity of the response on Form 01. If Item 5B1 or both of Items 5A1 and 5A2 of Form 01 are answered "no", Item 18 should be answered "no." If any of the parts of Form 01, Item 5 are answered "unsure," and there are no "yes" responses, Item 18 should be answered "unknown."
13. Item 19, weight change. The response to Form 01, Item 6 should be recorded here.
14. Items 20 and 21, number of drinks. The information found in Form 01, Items 8D, 8E, 9D, and 9E should be summarized here. If that

information is missing on Form 01, check the response "no mother" ("no father") if Form 01 indicates that the child does not have a mother/female guardian (father/male guardian) living with her/him; otherwise, check the response, "no info."

15. Item 22, disagreements. If there are responses on Form 01 that satisfy exclusion criteria, but which upon probing of the parent/guardian are found to be incorrect, Form 02 should reflect the corrected responses. In such a case, a notation should be made in the margin of Form 01 of any corrections made by Clinic staff of responses given by a parent/guardian, and such corrections should be documented in Form 02, Item 22.
16. Items 23 and 24, dates and times. Common mistakes are to switch these two dates with each other, or to give the day of the venipuncture in both Items 23A and 24A even though the participant did not have anything to eat or drink since the previous evening.
17. Items 30 and 31, height and weight. Remove jackets, sweaters, shoes, belts, and heavy jewelry, and empty pockets before measuring.
18. Item 32, height eligibility. Cutpoints for eligibility are given in Exhibit 6-2 at the end of this chapter.
19. Items 33 and 34, weight for height eligibility. Cutpoints for eligibility are given in Exhibits 6-3 (short version for quick reference) and 6-4 (expanded version) at the end of this chapter.
20. Item 39, other reason for ineligibility. Any other physical, mental, behavioral, or social problem on the part of the child or the parents/guardians that would, in the judgment of Clinic staff, make them unreliable participants in DISC, should be noted in this item.

6.4 Form 03: Screening Visit 2 Summary (Rev. 2)

1. Items 7A and 7B, laboratory results. If one or both of these results are missing, record a code of 99.8 to denote a missing value.
2. Item 10, weight at SV2. If weight was measured only twice, enter the two weight measurements given on Item 5 of Form 04 for SV2 on Form 03, Items 10A and 10B, respectively. If three weight measurements were made, select the two closest weight measurements found in Form 04, Item 5 for recording in Items 10A and 10B of Form 03. If three weight measurements were made and two closest measurements cannot be uniquely identified (e.g., the three measurements are 30.0, 30.5, and 31.0), select the first and second weight measurements found in Form 04, Item 5 for recording in Items 10A and 10B.
3. Item 11, weight at SV1. Enter the weight value recorded on Form 02, Item 31.
4. Item 12, ratio. Use a calculator to compute the ratio of SV2 weight to SV1 weight for four decimal places.
5. Item 13, weight change eligibility. The cutpoints for exclusion should more properly be stated as  $\leq 0.9499$  or  $\geq 1.0501$ . In other words, ratios of 0.94990001 and 1.05009999 would be considered as meeting the eligibility criteria for weight change.
6. Item 14, Tanner stage. If Tanner stage recorded in Form 06, Items 15 and 16 is Stage 2 or greater for either pubic hair or genitalia (boys), or either pubic hair or breasts (girls), this item should be answered "yes." If Tanner stage cannot be determined, check "not done"; the child is ineligible in this case.

7. Item 17, Achenbach. The 98th percentile corresponds to a total T-score of 70 for all scales combined. Thus, if the total T-score is greater than 70, this item should be answered "yes." For the child to be eligible for the study, the Achenbach test must be taken by at least one parent/guardian. If this test is taken by both parents/guardians at SV2, answer "yes" if the score is greater than the 98th percentile for either parent/guardian.
8. Item 18, other reason for ineligibility. This item should be answered "yes" if there is any reason for ineligibility not covered in any other item on Form 03.

6.5 Form 04: Anthropometry Form (Rev. 1)

1. Item 2, anthropometric measurers. The one or more persons making the anthropometric measurements recorded on a particular Form 04 should be identified (signature and DISC Certification Number) in this item. The appropriate code letter (A, B, C, or D) of the measurer should be recorded next to each measurement in Items 4-12. If all of the first measurements (i.e., height through maximum below waist circumference) were made by the same person, that person's code letter need be recorded only once, in Item 3 under "First Measurement." If all of the second measurements were made by the same person, whether the same as or different from the person who made the first measurements, that person's code letter need be entered only once, in Item 3 under "Second Measurement." Similarly for third measurements.
2. Items 4-12, anthropometric measurements. All of the measurements (height, weight, skinfolds, and circumferences) must be

done once before doing the second measurements. A third measurement is required for selected measures in which the first and second measurements differ by more than the following:

- a. Both measurements made by the same observer.
  - (1) Height, 0.5 cm.
  - (2) Weight, 0.2 kg.
  - (3) Skinfolds, 1 mm.
  - (4) Arm circumference, 0.5 cm.
  - (5) Waist and the two hip circumferences, 1.0 cm.
- b. The two measurements made by different observers.
  - (1) Height, 1.5 cm.
  - (2) Weight, 0.2 kg.
  - (3) Skinfolds, 2 mm.
  - (4) Arm circumference, 1.0 cm.
  - (5) Waist and the two hip circumferences, 2.5 cm.

6.6 Form 05: Blood Pressure Form (Rev. 1)

1. Item 4, pulse. Note that the number of beats in 30 seconds, (not multiplied to get a 60-second pulse rate) is to be entered here.
2. Item 13, instrument number. Each RZ device in each DISC Clinical Center should be given a two-digit ID number preceded by the letter D (for DISC). The numbers may fall anywhere between 01 and 99, at local option, and need not be consecutive. The number of the particular device used for a given participant should be recorded in the space provided. This is for quality assessment purposes, to determine whether any devices are producing strange distributions.

3. Item 15, blood pressure measurements. It must be emphasized that the subtraction of the zero value from the reading in Item 15C should not be done until after the second reading has been taken. Remember to provide leading zeroes where necessary. Since all of the readings are to be made to the nearest even integer, the averages in Item 15H should all be integer values. Missing values in Items A, B, D, E, G, and H should be denoted by recording "998"; missing values in Items B and E should be denoted by recording "98."

#### 6.7 Form 06: Physical Examination Form (Rev. 1)

For detailed information on specific signs to look for during the physical examination, see Chapter 8. For definitions of the different Tanner stages, see Chapter 9.

#### 6.8 Form 07: Parent/Guardian Information Form (Rev. 1)

1. General. This form is to be completed by a parent/guardian of a prospective participant prior to SV2. A DISC Clinical Center interviewer should review this form with the parent/guardian at the time of SV2. The instructions given below are intended to aid the interviewer in resolving questions raised by the parent/guardian in completing the form. Further instructions are given in Chapter 7 on probes to be used by the interviewer to confirm or clarify responses given on Form 07 or to elicit responses to items left unanswered. If, while reviewing Form 07 with the parent/guardian, an obviously incorrect response is noted due to a misunderstanding of the question, the interviewer should, with the concurrence of the parent/guardian, cross out the incorrect answer and check or write in the correct response. The correct

response should be circled and initialed by the interviewer. Prior to sending this form to the Coordinating Center, Clinic staff should check it carefully for legibility and proper positioning of check marks and numerical responses.

2. Item 2, relationship. If the respondent says he/she is an adoptive parent of the child, check the response for "step mother or step father."
3. Items 3 and 4, history. Distinction between "no" and "unknown": Generally, if the biologic mother/father is still alive and living with the child, absence of a positive history will be recorded as "no." Also; if the biologic mother/father is deceased, but lived with the surviving spouse until death and the surviving spouse is currently living with the child, absence of a positive history will be recorded as "no." If the child is adopted, or if the biologic mother/father is no longer living with the child, with infrequent contacts between him/her and the child's household, absence of a positive history will generally be recorded "unknown." If the biologic father has a positive history of a problem that occurred, or was first diagnosed, after his 60th birthday, a "no" response should be recorded.
4. Item 5, history in other relatives. Here it will often be very difficult to distinguish between "no" and "unknown" for the history may be known with some aunts/uncles/grandparents and unknown with others. Generally, if the history is known to be negative for at least half the related aunts/uncles/grandparents and unknown for the rest, a "no" response should be recorded; otherwise, "unknown."

5. Items 7C and 10C, marital status. In spite of the instruction to "mark one answer," the respondent may, on occasion, check two answers for marital status. For example, a parent may be separated from a spouse and also living as married with another adult in the household. In these cases, we are interested in the relationship with the other adult currently in the household, and not the adult who is absent. The interviewer should try to clarify the response so that only one answer is checked.
6. Items 7F and 10F, occupation. See Chapter 7 for special instructions for probing these questions concerning occupation.
7. Items 7G and 10G, race. If the parent/guardian is mixed race (e.g., one parent white and the other black), check "other" and give the details on the line provided.

6.9 Form 08: Child History Form (Rev. 1)

1. Item 3, medications. The Form 01 checklist of the child's medications provided by the parent should be in hand when interviewing the child about medication usage. The child should be questioned about significant discrepancies between the list and the parent's list. The interviewer should not discuss any discrepancies with the parents/guardians since it is crucial that the child be assured that the information he/she has provided is confidential and will not be shared with the parents/guardians.

6.10 Form 09: Baseline Visit Summary (Rev. 2)

1. Item 1, date of BV. This is the date the child and parent(s)/guardian(s) come to the DISC Clinic for the BV examination.
2. Items 5 and 6. The information requested in these items may be obtained from the child's mother/female guardian and father/



male guardian at either SV1, SV2, or BV, but in any case must be recorded on Form 09.

3. Items 5A and 6A, ID number. The ID numbers of the child's mother/female guardian and father/male guardian should be the same as those of the child except for the final digit. For the child the final digit is always '1'. For the first parent/guardian who accompanies the child to the DISC Clinic, the final digit '2' should be assigned. The second parent/guardian will receive the final digit '3'. If the child's parents/guardians change subsequently, the new parents/guardians will receive final digits '4', '5', ... '8'.
4. Items 5C, 5D, 6C, and 6D, height and weight. Remove jackets, sweaters, shoes, belts, and heavy jewelry, and empty pockets before measuring.
5. Items 7, blood pressure. If both SV2 and BV blood pressures are not done, check "not done"; the child is ineligible in this case. If one of the SV2 or the BV blood pressures is missing and the other is  $\geq 125$  mmHg, check "yes"; the child is ineligible in this case.

6.11 Form 10: Physical Activity Assessment Form

Instructions for completing this form are given in Chapter 16.

6.12 Form 12: Preliminary Screening Form (Revs. 0 and 1)

1. General. The information requested by this form is to be obtained from a parent/guardian of a prospective participant either by (1) in-person interview at the Prescreening Assessment, (2) telephone interview prior to SV1, (3) mailing the form home for completion by the parent/guardian, or (4) by in-person inter-

view at the SV1 clinic visit. Whenever this form is self-administered, it should be reviewed with the parent/guardian during the SV1 clinic visit. If, during this review, an obviously incorrect response is noted due to a misunderstanding of the question, the interviewer should, with the concurrence of the parent/guardian, cross out the incorrect answer and check or write in the correct response. The correct response should be circled and initialed by the interviewer. Prior to sending this form to the Coordinating Center, Clinic staff should check it carefully for legibility and proper positioning of check marks and numerical responses.

6.13 Form 14: Six-Month Visit Form (Rev. 0)

(In preparation.)

6.14 Form 20: Prescreening Log

1. Screening site code. Each screening site (i.e., school, clinic, shopping center, etc.) should be given a three-digit ID number, assigned by the local Clinical Center. Each page of this log should pertain to a single screening site on a single day.
2. Page number. The pages of this log should be numbered sequentially, starting with 001, for each DISC Clinical Center.
3. Height, weight. These items are optional. It is permissible to measure height and weight at the Prescreening Assessment in order to screen out those who clearly do not meet height and weight eligibility criteria. Also, if the appropriate equipment is used and correct measurement procedures are followed, it is permissible to use the Prescreen height and weight as

a substitute for the SV1 height and weight if done within four weeks of SV1.

4. ID number. If the child is eligible on the basis of age, DT-60 total cholesterol, height (optional), and weight (optional), he/she should be invited to SV1. In order to link the cholesterol, height, and weight information on this log with information on the same child at subsequent screening visits, it is essential that the ID number assigned to the child be recorded on the log. For the Full-Scale Trial, ID numbers should start with the number 1001 within each Clinic (e.g., 3-1001-1 for the first child in the University of Iowa Clinic).
5. As soon as a page of this log is complete, it should be sent to the Coordinating Center, with a photocopy retained at the local Clinical Center.

6.15 Form 21: Dietary Eligibility Questionnaire (Rev. 1)

Instructions for completing this form are given in Chapter 14.

6.16 Form 24: Dietary Patterns Questionnaire (Rev. 0)

This form basically consists of Part B of Form 21. Therefore, instructions for completing this form can be found in Chapter 14.

Acceptable Range of Dates for SV1

Birthdate	Males		Females	
	Start	End	Start	End
01/01/78	11/01/88	11/01/88		
01/15/78	11/01/88	11/15/88		
01/28/78	11/01/88	11/28/88		
01/29/78	11/01/88	11/29/88		
01/30/78	11/01/88	11/30/88		
01/31/78	11/01/88	11/30/88		
02/01/78	11/01/88	12/01/88		
02/15/78	11/01/88	12/15/88		
02/28/78	11/01/88	12/28/88		
03/01/78	11/01/88	01/01/89		
03/15/78	11/01/88	01/15/89		
03/28/78	11/01/88	01/28/89		
03/29/78	11/01/88	01/29/89		
03/30/78	11/01/88	01/30/89		
03/31/78	11/01/88	01/31/89		
04/01/78	11/01/88	02/01/89		
04/15/78	11/01/88	02/15/89		
04/28/78	11/01/88	02/28/89		
04/29/78	11/01/88	02/28/89		
04/30/78	11/01/88	02/28/89		
05/01/78	11/01/88	03/01/89		
05/15/78	11/01/88	03/15/89		
05/28/78	11/01/88	03/28/89		
05/29/78	11/01/88	03/29/89		
05/30/78	11/01/88	03/30/89		
05/31/78	11/01/88	03/31/89		
06/01/78	11/01/88	04/01/89		
06/15/78	11/01/88	04/15/89		
06/28/78	11/01/88	04/28/89		
06/29/78	11/01/88	04/29/89		
06/30/78	11/01/88	04/30/89		
07/01/78	11/01/88	05/01/89		
07/15/78	11/01/88	05/15/89		
07/28/78	11/01/88	05/28/89		
07/29/78	11/01/88	05/29/89		
07/30/78	11/01/88	05/30/89		
07/31/78	11/01/88	05/31/89		
08/01/78	11/01/88	06/01/89		
08/15/78	11/01/88	06/15/89		
08/28/78	11/01/88	06/28/89		
08/29/78	11/01/88	06/29/89		
08/30/78	11/01/88	06/30/89		
08/31/78	11/01/88	06/30/89		
09/01/78	11/01/88	07/01/89		
09/15/78	11/01/88	07/15/89		
09/28/78	11/01/88	07/28/89		
09/29/78	11/01/88	07/29/89		
09/30/78	11/01/88	07/30/89		
10/01/78	11/01/88	08/01/89	11/01/88	11/01/88
10/15/78	11/01/88	08/15/89	11/01/88	11/15/88
10/28/78	11/01/88	08/28/89	11/01/88	11/28/88
10/29/78	11/01/88	08/29/89	11/01/88	11/29/88
10/30/78	11/01/88	08/30/89	11/01/88	11/30/88
10/31/78	11/01/88	08/31/89	11/01/88	11/30/88
11/01/78	11/01/88	09/01/89	11/01/88	12/01/88

<u>Birthdate</u>	<u>Males</u>		<u>Females</u>	
11/15/78	11/01/88	09/15/89	11/01/88	12/15/88
11/28/78	11/01/88	09/28/89	11/01/88	12/28/88
11/29/78	11/01/88	09/29/89	11/01/88	12/29/88
11/30/78	11/01/88	09/30/89	11/01/88	12/30/88
12/01/78	11/01/88	10/01/89	11/01/88	01/01/89
12/15/78	11/01/88	10/15/89	11/01/88	01/15/89
12/26/78	11/01/88	10/26/89	11/01/88	01/26/89
12/29/78	11/01/88	10/29/89	11/01/88	01/29/89
12/30/78	11/01/88	10/30/89	11/01/88	01/30/89
12/31/78	11/01/88	10/31/89	11/01/88	01/31/89
01/01/79	11/01/88	11/01/89	11/01/88	02/01/89
01/15/79	11/01/88	11/15/89	11/01/88	02/15/89
01/26/79	11/01/88	11/26/89	11/01/88	02/26/89
01/29/79	11/01/88	11/29/89	11/01/88	02/28/89
01/30/79	11/01/88	11/30/89	11/01/88	02/28/89
01/31/79	11/01/88	11/30/89	11/01/88	02/28/89
02/01/79	11/01/88	12/01/89	11/01/88	03/01/89
02/15/79	11/01/88	12/15/89	11/01/88	03/15/89
02/26/79	11/01/88	12/26/89	11/01/88	03/26/89
03/01/79	11/01/88	12/31/89	11/01/88	04/01/89
03/15/79	11/01/88	12/31/89	11/01/88	04/15/89
03/28/79	11/01/88	12/31/89	11/01/88	04/26/89
03/29/79	11/01/88	12/31/89	11/01/88	04/29/89
03/30/79	11/01/88	12/31/89	11/01/88	04/30/89
03/31/79	11/01/88	12/31/89	11/01/88	04/30/89
04/01/79	11/01/88	12/31/89	11/01/88	05/01/89
04/15/79	11/01/88	12/31/89	11/01/88	05/15/89
04/26/79	11/01/88	12/31/89	11/01/88	05/26/89
04/29/79	11/01/88	12/31/89	11/01/88	05/29/89
04/30/79	11/01/88	12/31/89	11/01/88	05/30/89
05/01/79	11/01/88	12/31/89	11/01/88	06/01/89
05/15/79	11/01/88	12/31/89	11/01/88	06/15/89
05/26/79	11/01/88	12/31/89	11/01/88	06/26/89
05/29/79	11/01/88	12/31/89	11/01/88	06/29/89
05/30/79	11/01/88	12/31/89	11/01/88	06/30/89
05/31/79	11/01/88	12/31/89	11/01/88	06/30/89
06/01/79	11/01/88	12/31/89	11/01/88	07/01/89
06/15/79	11/01/88	12/31/89	11/01/88	07/15/89
06/26/79	11/01/88	12/31/89	11/01/88	07/26/89
06/29/79	11/01/88	12/31/89	11/01/88	07/29/89
06/30/79	11/01/88	12/31/89	11/01/88	07/30/89
07/01/79	11/01/88	12/31/89	11/01/88	08/01/89
07/15/79	11/01/88	12/31/89	11/01/88	08/15/89
07/26/79	11/01/88	12/31/89	11/01/88	08/26/89
07/29/79	11/01/88	12/31/89	11/01/88	08/29/89
07/30/79	11/01/88	12/31/89	11/01/88	08/30/89
07/31/79	11/01/88	12/31/89	11/01/88	08/31/89
08/01/79	11/01/88	12/31/89	11/01/88	09/01/89
08/15/79	11/01/88	12/31/89	11/01/88	09/15/89
08/26/79	11/01/88	12/31/89	11/01/88	09/26/89
08/29/79	11/01/88	12/31/89	11/01/88	09/29/89
08/30/79	11/01/88	12/31/89	11/01/88	09/30/89
08/31/79	11/01/88	12/31/89	11/01/88	09/30/89
09/01/79	11/01/88	12/31/89	11/01/88	10/01/89
09/15/79	11/01/88	12/31/89	11/01/88	10/15/89

Acceptable Range of Dates for SV1

Birthdate	Males		Females	
	Start	End	Start	End
09/28/79	11/01/88	12/31/89	11/01/88	10/28/89
09/29/79	11/01/88	12/31/89	11/01/88	10/29/89
09/30/79	11/01/88	12/31/89	11/01/88	10/30/89
10/01/79	11/01/88	12/31/89	11/01/88	11/01/89
10/15/79	11/01/88	12/31/89	11/01/88	11/15/89
10/28/79	11/01/88	12/31/89	11/01/88	11/28/89
10/29/79	11/01/88	12/31/89	11/01/88	11/29/89
10/30/79	11/01/88	12/31/89	11/01/88	11/30/89
10/31/79	11/01/88	12/31/89	11/01/88	11/30/89
11/01/79	11/01/88	12/31/89	11/01/88	12/01/89
11/15/79	11/01/88	12/31/89	11/01/88	12/15/89
11/28/79	11/01/88	12/31/89	11/01/88	12/28/89
11/29/79	11/01/88	12/31/89	11/01/88	12/29/89
11/30/79	11/01/88	12/31/89	11/01/88	12/30/89
12/01/79	11/01/88	12/31/89	11/01/88	12/31/89
12/15/79	11/01/88	12/31/89	11/01/88	12/31/89
12/28/79	11/01/88	12/31/89	11/01/88	12/31/89
12/29/79	11/01/88	12/31/89	11/01/88	12/31/89
12/30/79	11/01/88	12/31/89	11/01/88	12/31/89
12/31/79	11/01/88	12/31/89	11/01/88	12/31/89
01/01/80	11/01/88	12/31/89	11/01/88	12/31/89
01/15/80	11/01/88	12/31/89	11/01/88	12/31/89
01/28/80	11/01/88	12/31/89	11/01/88	12/31/89
01/29/80	11/01/88	12/31/89	11/01/88	12/31/89
01/30/80	11/01/88	12/31/89	11/01/88	12/31/89
01/31/80	11/01/88	12/31/89	11/01/88	12/31/89
02/01/80	11/01/88	12/31/89	11/01/88	12/31/89
02/15/80	11/01/88	12/31/89	11/01/88	12/31/89
02/28/80	11/01/88	12/31/89	11/01/88	12/31/89
02/29/80	11/01/88	12/31/89	11/01/88	12/31/89
03/01/80	11/01/88	12/31/89	11/01/88	12/31/89
03/15/80	11/01/88	12/31/89	11/01/88	12/31/89
03/28/80	11/01/88	12/31/89	11/01/88	12/31/89
03/29/80	11/01/88	12/31/89	11/01/88	12/31/89
03/30/80	11/01/88	12/31/89	11/01/88	12/31/89
03/31/80	11/01/88	12/31/89	11/01/88	12/31/89
04/01/80	11/01/88	12/31/89	11/01/88	12/31/89
04/15/80	11/15/88	12/31/89	11/01/88	12/31/89
04/28/80	11/28/88	12/31/89	11/01/88	12/31/89
04/29/80	11/29/88	12/31/89	11/01/88	12/31/89
04/30/80	11/30/88	12/31/89	11/01/88	12/31/89
05/01/80	12/01/88	12/31/89	11/01/88	12/31/89
05/15/80	12/15/88	12/31/89	11/01/88	12/31/89
05/28/80	12/28/88	12/31/89	11/01/88	12/31/89
05/29/80	12/29/88	12/31/89	11/01/88	12/31/89
05/30/80	12/30/88	12/31/89	11/01/88	12/31/89
05/31/80	12/31/88	12/31/89	11/01/88	12/31/89
06/01/80	01/01/89	12/31/89	11/01/88	12/31/89
06/15/80	01/15/89	12/31/89	11/01/88	12/31/89
06/28/80	01/28/89	12/31/89	11/01/88	12/31/89
06/29/80	01/29/89	12/31/89	11/01/88	12/31/89
06/30/80	01/30/89	12/31/89	11/01/88	12/31/89
07/01/80	02/01/89	12/31/89	11/01/88	12/31/89
07/15/80	02/15/89	12/31/89	11/01/88	12/31/89
07/28/80	02/28/89	12/31/89	11/01/88	12/31/89

Acceptable Range of Dates for SV1

<u>Birthdate</u>	<u>Males</u>		<u>Females</u>	
07/29/80	02/28/89	12/31/89	11/01/88	12/31/89
07/30/80	02/28/89	12/31/89	11/01/88	12/31/89
07/31/80	02/28/89	12/31/89	11/01/88	12/31/89
08/01/80	03/01/89	12/31/89	11/01/88	12/31/89
08/15/80	03/15/89	12/31/89	11/01/88	12/31/89
08/28/80	03/28/89	12/31/89	11/01/88	12/31/89
08/29/80	03/29/89	12/31/89	11/01/88	12/31/89
08/30/80	03/30/89	12/31/89	11/01/88	12/31/89
08/31/80	03/31/89	12/31/89	11/01/88	12/31/89
09/01/80	04/01/89	12/31/89	11/01/88	12/31/89
09/15/80	04/15/89	12/31/89	11/01/88	12/31/89
09/28/80	04/28/89	12/31/89	11/01/88	12/31/89
09/29/80	04/29/89	12/31/89	11/01/88	12/31/89
09/30/80	04/30/89	12/31/89	11/01/88	12/31/89
10/01/80	05/01/89	12/31/89	11/01/88	12/31/89
10/15/80	05/15/89	12/31/89	11/01/88	12/31/89
10/28/80	05/28/89	12/31/89	11/01/88	12/31/89
10/29/80	05/29/89	12/31/89	11/01/88	12/31/89
10/30/80	05/30/89	12/31/89	11/01/88	12/31/89
10/31/80	05/31/89	12/31/89	11/01/88	12/31/89
11/01/80	06/01/89	12/31/89	11/01/88	12/31/89
11/15/80	06/15/89	12/31/89	11/01/88	12/31/89
11/28/80	06/28/89	12/31/89	11/01/88	12/31/89
11/29/80	06/29/89	12/31/89	11/01/88	12/31/89
11/30/80	06/30/89	12/31/89	11/01/88	12/31/89
12/01/80	07/01/89	12/31/89	11/01/88	12/31/89
12/15/80	07/15/89	12/31/89	11/01/88	12/31/89
12/28/80	07/28/89	12/31/89	11/01/88	12/31/89
12/29/80	07/29/89	12/31/89	11/01/88	12/31/89
12/30/80	07/30/89	12/31/89	11/01/88	12/31/89
12/31/80	07/31/89	12/31/89	11/01/88	12/31/89
01/01/81	08/01/89	12/31/89	11/01/88	12/31/89
01/15/81	08/15/89	12/31/89	11/15/88	12/31/89
01/28/81	08/28/89	12/31/89	11/28/88	12/31/89
01/29/81	08/29/89	12/31/89	11/29/88	12/31/89
01/30/81	08/30/89	12/31/89	11/30/88	12/31/89
01/31/81	08/31/89	12/31/89	11/30/88	12/31/89
02/01/81	09/01/89	12/31/89	12/01/88	12/31/89
02/15/81	09/15/89	12/31/89	12/15/88	12/31/89
02/28/81	09/28/89	12/31/89	12/28/88	12/31/89
03/01/81	10/01/89	12/31/89	01/01/89	12/31/89
03/15/81	10/15/89	12/31/89	01/15/89	12/31/89
03/28/81	10/28/89	12/31/89	01/28/89	12/31/89
03/29/81	10/29/89	12/31/89	01/29/89	12/31/89
03/30/81	10/30/89	12/31/89	01/30/89	12/31/89
03/31/81	10/31/89	12/31/89	01/31/89	12/31/89
04/01/81	11/01/89	12/31/89	02/01/89	12/31/89
04/15/81	11/15/89	12/31/89	02/15/89	12/31/89
04/28/81	11/28/89	12/31/89	02/28/89	12/31/89
04/29/81	11/29/89	12/31/89	02/28/89	12/31/89
04/30/81	11/30/89	12/31/89	02/28/89	12/31/89
05/01/81	12/01/89	12/31/89	03/01/89	12/31/89
05/15/81	12/15/89	12/31/89	03/15/89	12/31/89
05/28/81	12/28/89	12/31/89	03/28/89	12/31/89
05/29/81	12/29/89	12/31/89	03/29/89	12/31/89

Acceptable Range of Dates for SV1

Birthdate	Males		Females	
	-----	-----	-----	-----
05/30/81	12/30/89	12/31/89	03/30/89	12/31/89
05/31/81	12/31/89	12/31/89	03/31/89	12/31/89
06/01/81			04/01/89	12/31/89
06/15/81			04/15/89	12/31/89
06/28/81			04/28/89	12/31/89
06/29/81			04/29/89	12/31/89
06/30/81			04/30/89	12/31/89
07/01/81			05/01/89	12/31/89
07/15/81			05/15/89	12/31/89
07/28/81			05/28/89	12/31/89
07/29/81			05/29/89	12/31/89
07/30/81			05/30/89	12/31/89
07/31/81			05/31/89	12/31/89
08/01/81			06/01/89	12/31/89
08/15/81			06/15/89	12/31/89
08/28/81			06/28/89	12/31/89
08/29/81			06/29/89	12/31/89
08/30/81			06/30/89	12/31/89
08/31/81			06/30/89	12/31/89
09/01/81			07/01/89	12/31/89
09/15/81			07/15/89	12/31/89
09/28/81			07/28/89	12/31/89
09/29/81			07/29/89	12/31/89
09/30/81			07/30/89	12/31/89
10/01/81			08/01/89	12/31/89
10/15/81			08/15/89	12/31/89
10/28/81			08/28/89	12/31/89
10/29/81			08/29/89	12/31/89
10/30/81			08/30/89	12/31/89
10/31/81			08/31/89	12/31/89
11/01/81			09/01/89	12/31/89
11/15/81			09/15/89	12/31/89
11/28/81			09/28/89	12/31/89
11/29/81			09/29/89	12/31/89
11/30/81			09/30/89	12/31/89
12/01/81			10/01/89	12/31/89
12/15/81			10/15/89	12/31/89
12/28/81			10/28/89	12/31/89
12/29/81			10/29/89	12/31/89
12/30/81			10/30/89	12/31/89
12/31/81			10/31/89	12/31/89
01/01/82			11/01/89	12/31/89
01/15/82			11/15/89	12/31/89
01/28/82			11/28/89	12/31/89
01/29/82			11/29/89	12/31/89
01/30/82			11/30/89	12/31/89
01/31/82			11/30/89	12/31/89
02/01/82			12/01/89	12/31/89
02/15/82			12/15/89	12/31/89
02/28/82			12/28/89	12/31/89



## EXHIBIT 6-2

FIFTH PERCENTILE OF HEIGHT (cm) BY SEX, RACE, AND AGE,  
BOGALUSA HEART STUDY, 1973-1981

	5th %ile
White males	
8 yr 7 mo up to but not including 9 yr 0 mo	120.1 cm.
9 yr 0 mo up to but not including 10 yr 0 mo	125.0
10 yr 0 mo up to 10 yr 10 mo	129.6
White females	
7 yr 10 mo up to but not including 8 yr 0 mo	112.7
8 yr 0 mo up to but not including 9 yr 0 mo	119.2
9 yr 0 mo up to but not including 10 yr 0 mo	123.3
10 yr 0 mo up to 10 yr 1 mo	127.7
Black males	
8 yr 7 mo up to but not including 9 yr 0 mo	119.9
9 yr 0 mo up to but not including 10 yr 0 mo	125.9
10 yr 0 mo up to 10 yr 10 mo	131.0
Black females	
7 yr 10 mo up to but not including 8 yr 0 mo	115.4
8 yr 0 mo up to but not including 9 yr 0 mo	120.9
9 yr 0 mo up to but not including 10 yr 0 mo	125.7
10 yr 0 mo up to 10 yr 1 mo	131.0

Children who are neither black nor white generally should be referred to the percentiles for white children. However, mixed race children who are predominantly black should be referred to the percentiles for black children.

DISC Weight for Height Tables  
 Cutpoints for Eligibility  
 5th and 90th Percentile Levels\*

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
100	9.61	14.84	10.40	15.48	9.64	13.60	9.55	14.34
101	10.08	15.08	10.83	15.77	10.08	13.85	10.00	14.64
102	10.54	15.35	11.25	16.09	10.53	14.13	10.44	14.96
103	11.01	15.65	11.68	16.43	10.98	14.44	10.89	15.31
104	11.48	15.97	12.11	16.80	11.43	14.77	11.34	15.68
105	11.95	16.32	12.54	17.19	11.88	15.13	11.80	16.08
106	12.42	16.69	12.97	17.61	12.34	15.51	12.25	16.50
107	12.89	17.09	13.40	18.05	12.79	15.92	12.71	16.95
108	13.37	17.52	13.84	18.52	13.25	16.36	13.16	17.42
109	13.84	17.96	14.27	19.02	13.70	16.82	13.62	17.92
110	14.32	18.44	14.71	19.54	14.16	17.30	14.08	18.45
111	14.80	18.94	15.15	20.09	14.62	17.82	14.54	19.00
112	15.28	19.47	15.59	20.66	15.08	18.35	15.00	19.58
113	15.76	20.02	16.03	21.26	15.55	18.91	15.46	20.18
114	16.24	20.60	16.47	21.88	16.01	19.50	15.93	20.81
115	16.72	21.20	16.91	22.53	16.48	20.12	16.39	21.46
116	17.21	21.83	17.36	23.20	16.94	20.75	16.86	22.14
117	17.69	22.48	17.80	23.90	17.41	21.42	17.33	22.84
118	18.18	23.16	18.25	24.63	17.88	22.11	17.80	23.57
119	18.67	23.87	18.70	25.38	18.35	22.82	18.27	24.33
120	19.16	24.60	19.15	26.16	18.82	23.57	18.74	25.11
121	19.65	25.35	19.60	26.96	19.30	24.33	19.22	25.92
122	20.14	26.13	20.05	27.79	19.77	25.13	19.69	26.75
123	20.64	26.94	20.51	28.64	20.25	25.94	20.17	27.61
124	21.13	27.77	20.96	29.52	20.72	26.79	20.65	28.49
125	21.63	28.63	21.42	30.42	21.20	27.66	21.12	29.40
126	22.13	29.52	21.88	31.35	21.68	28.55	21.61	30.33
127	22.63	30.43	22.34	32.31	22.17	29.47	22.09	31.29
128	23.13	31.36	22.80	33.29	22.65	30.42	22.57	32.28
129	23.63	32.32	23.26	34.30	23.13	31.39	23.05	33.29
130	24.13	33.31	23.72	35.33	23.62	32.38	23.54	34.32
131	24.64	34.32	24.19	36.39	24.10	33.41	24.03	35.39
132	25.14	35.36	24.66	37.47	24.59	34.45	24.52	36.47
133	25.65	36.42	25.12	38.58	25.08	35.53	25.01	37.59
134	26.16	37.51	25.59	39.71	25.57	36.63	25.50	38.73
135	26.67	38.62	26.06	40.87	26.07	37.75	25.99	39.89
136	27.18	39.76	26.53	42.06	26.56	38.90	26.48	41.08
137	27.69	40.93	27.01	43.27	27.05	40.08	26.98	42.30
138	28.21	42.12	27.48	44.51	27.55	41.28	27.48	43.54
139	28.72	43.33	27.96	45.77	28.05	42.51	27.97	44.80

\*These percentile levels are for "street clothes" weight recorded in Form 02 (Rev. 2), Item 31.

DISC Weight for Height Tables  
 Cutpoints for Eligibility  
 5th and 90th Percentile Levels\*

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
140	29.24	44.58	28.43	47.06	28.55	43.76	28.47	46.09
141	29.76	45.84	28.91	48.37	29.05	45.04	28.97	47.41
142	30.28	47.14	29.39	49.71	29.55	46.34	29.47	48.76
143	30.80	48.46	29.87	51.07	30.05	47.67	29.98	50.12
144	31.32	49.80	30.35	52.46	30.56	49.02	30.48	51.52
145	31.84	51.17	30.84	53.88	31.06	50.40	30.99	52.94
146	32.37	52.56	31.32	55.32	31.57	51.81	31.50	54.38
147	32.89	53.98	31.81	56.79	32.08	53.24	32.00	55.85
148	33.42	55.43	32.30	58.28	32.59	54.70	32.51	57.35
149	33.95	56.90	32.79	59.80	33.10	56.18	33.03	58.87
150	34.48	58.40	33.28	61.34	33.61	57.69	33.54	60.42
151	35.01	59.92	33.77	62.91	34.12	59.22	34.05	61.99
152	35.55	61.47	34.26	64.50	34.64	60.78	34.57	63.59
153	36.08	63.05	34.75	66.12	35.15	62.36	35.08	65.22
154	36.62	64.64	35.25	67.77	35.67	63.97	35.60	66.87
155	37.15	66.27	35.75	69.44	36.19	65.61	36.12	68.54
156	37.69	67.92	36.25	71.14	36.71	67.27	36.64	70.24
157	38.23	69.60	36.75	72.86	37.23	68.96	37.16	71.97
158	38.77	71.30	37.25	74.61	37.76	70.67	37.69	73.72
159	39.31	73.03	37.75	76.38	38.28	72.41	38.21	75.50
160	39.86	74.78	38.25	78.18	38.81	74.17	38.74	77.30
161	40.40	76.56	38.76	80.00	39.33	75.96	39.27	79.13
162	40.95	78.36	39.26	81.85	39.86	77.77	39.79	80.99
163	41.50	80.19	39.77	83.73	40.39	79.61	40.32	82.87
164	42.04	82.05	40.28	85.63	40.92	81.48	40.86	84.77
165	42.59	83.93	40.79	87.56	41.45	83.37	41.39	86.70
166	43.15	85.83	41.30	89.51	41.99	85.29	41.92	88.66
167	43.70	87.76	41.82	91.49	42.52	87.23	42.46	90.64
168	44.25	89.72	42.33	93.49	43.06	89.20	42.99	92.65
169	44.81	91.70	42.85	95.52	43.60	91.19	43.53	94.68
170	45.37	93.71	43.36	97.57	44.14	93.21	44.07	96.74
171	45.92	95.75	43.88	99.65	44.68	95.25	44.61	98.82
172	46.48	97.81	44.40	101.76	45.22	97.32	45.16	100.93
173	47.05	99.89	44.92	103.89	45.76	99.42	45.70	103.07
174	47.61	102.00	45.44	106.05	46.31	101.54	46.24	105.23
175	48.17	104.14	45.97	108.23	46.85	103.69	46.79	107.42
176	48.74	106.30	46.49	110.44	47.40	105.86	47.34	109.63
177	49.30	108.49	47.02	112.67	47.95	108.06	47.89	111.87
178	49.87	110.70	47.55	114.93	48.50	110.28	48.44	114.13
179	50.44	112.94	48.08	117.21	49.05	112.53	48.99	116.42

\*These percentile levels are for "street clothes" weight recorded in Form 02 (Rev. 2), Item 31.

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
100.0	9.61	14.84	10.40	15.48	9.64	13.60	9.55	14.34
100.1	9.66	14.86	10.44	15.51	9.68	13.62	9.59	14.37
100.2	9.70	14.89	10.49	15.53	9.72	13.65	9.64	14.40
100.3	9.75	14.91	10.53	15.56	9.77	13.67	9.68	14.43
100.4	9.80	14.93	10.57	15.59	9.81	13.70	9.73	14.46
100.5	9.84	14.96	10.61	15.62	9.86	13.72	9.77	14.49
100.6	9.89	14.98	10.66	15.65	9.90	13.75	9.82	14.52
100.7	9.94	15.01	10.70	15.68	9.95	13.77	9.86	14.55
100.8	9.98	15.03	10.74	15.71	9.99	13.80	9.91	14.58
100.9	10.03	15.06	10.78	15.74	10.04	13.83	9.95	14.61
101.0	10.08	15.08	10.83	15.77	10.08	13.85	10.00	14.64
101.1	10.12	15.11	10.87	15.80	10.13	13.88	10.04	14.67
101.2	10.17	15.14	10.91	15.83	10.17	13.91	10.08	14.70
101.3	10.22	15.16	10.95	15.86	10.22	13.93	10.13	14.73
101.4	10.26	15.19	11.00	15.89	10.26	13.96	10.17	14.77
101.5	10.31	15.22	11.04	15.92	10.31	13.99	10.22	14.80
101.6	10.36	15.24	11.08	15.96	10.35	14.02	10.26	14.83
101.7	10.40	15.27	11.13	15.99	10.40	14.05	10.31	14.86
101.8	10.45	15.30	11.17	16.02	10.44	14.08	10.35	14.89
101.9	10.50	15.33	11.21	16.05	10.49	14.10	10.40	14.93
102.0	10.54	15.35	11.25	16.09	10.53	14.13	10.44	14.96
102.1	10.59	15.38	11.30	16.12	10.58	14.16	10.49	14.99
102.2	10.64	15.41	11.34	16.15	10.62	14.19	10.53	15.03
102.3	10.68	15.44	11.38	16.19	10.66	14.22	10.58	15.06
102.4	10.73	15.47	11.42	16.22	10.71	14.25	10.62	15.10
102.5	10.78	15.50	11.47	16.25	10.75	14.28	10.67	15.13
102.6	10.82	15.53	11.51	16.29	10.80	14.31	10.71	15.17
102.7	10.87	15.56	11.55	16.32	10.84	14.35	10.76	15.20
102.8	10.92	15.59	11.59	16.36	10.89	14.38	10.80	15.24
102.9	10.96	15.62	11.64	16.39	10.93	14.41	10.85	15.27
103.0	11.01	15.65	11.68	16.43	10.98	14.44	10.89	15.31
103.1	11.06	15.68	11.72	16.46	11.02	14.47	10.94	15.34
103.2	11.10	15.71	11.77	16.50	11.07	14.51	10.98	15.38
103.3	11.15	15.74	11.81	16.54	11.11	14.54	11.03	15.42
103.4	11.20	15.78	11.85	16.57	11.16	14.57	11.07	15.45
103.5	11.24	15.81	11.89	16.61	11.20	14.60	11.12	15.49
103.6	11.29	15.84	11.94	16.65	11.25	14.64	11.16	15.53
103.7	11.34	15.87	11.98	16.68	11.29	14.67	11.21	15.57
103.8	11.38	15.91	12.02	16.72	11.34	14.70	11.25	15.60
103.9	11.43	15.94	12.07	16.76	11.39	14.74	11.30	15.64

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
104.0	11.48	15.97	12.11	16.80	11.43	14.77	11.34	15.68
104.1	11.53	16.01	12.15	16.83	11.48	14.81	11.39	15.72
104.2	11.57	16.04	12.20	16.87	11.52	14.84	11.43	15.76
104.3	11.62	16.07	12.24	16.91	11.57	14.88	11.48	15.80
104.4	11.67	16.11	12.28	16.95	11.61	14.91	11.52	15.84
104.5	11.71	16.14	12.32	16.99	11.66	14.95	11.57	15.88
104.6	11.76	16.18	12.37	17.03	11.70	14.98	11.62	15.92
104.7	11.81	16.21	12.41	17.07	11.75	15.02	11.66	15.96
104.8	11.85	16.25	12.45	17.11	11.79	15.06	11.71	16.00
104.9	11.90	16.28	12.50	17.15	11.84	15.09	11.75	16.04
105.0	11.95	16.32	12.54	17.19	11.88	15.13	11.80	16.08
105.1	12.00	16.36	12.58	17.23	11.93	15.17	11.84	16.12
105.2	12.04	16.39	12.63	17.27	11.97	15.21	11.89	16.16
105.3	12.09	16.43	12.67	17.31	12.02	15.24	11.93	16.20
105.4	12.14	16.47	12.71	17.35	12.06	15.28	11.98	16.24
105.5	12.18	16.50	12.75	17.40	12.11	15.32	12.02	16.29
105.6	12.23	16.54	12.80	17.44	12.15	15.36	12.07	16.33
105.7	12.28	16.58	12.84	17.48	12.20	15.40	12.11	16.37
105.8	12.33	16.62	12.88	17.52	12.24	15.44	12.16	16.41
105.9	12.37	16.65	12.93	17.57	12.29	15.47	12.20	16.46
106.0	12.42	16.69	12.97	17.61	12.34	15.51	12.25	16.50
106.1	12.47	16.73	13.01	17.65	12.38	15.55	12.30	16.54
106.2	12.51	16.77	13.06	17.70	12.43	15.59	12.34	16.59
106.3	12.56	16.81	13.10	17.74	12.47	15.63	12.39	16.63
106.4	12.61	16.85	13.14	17.78	12.52	15.67	12.43	16.68
106.5	12.66	16.89	13.19	17.83	12.56	15.72	12.48	16.72
106.6	12.70	16.93	13.23	17.87	12.61	15.76	12.52	16.77
106.7	12.75	16.97	13.27	17.92	12.65	15.80	12.57	16.81
106.8	12.80	17.01	13.32	17.96	12.70	15.84	12.61	16.86
106.9	12.84	17.05	13.36	18.01	12.74	15.88	12.66	16.90
107.0	12.89	17.09	13.40	18.05	12.79	15.92	12.71	16.95
107.1	12.94	17.13	13.45	18.10	12.84	15.97	12.75	17.00
107.2	12.99	17.17	13.49	18.15	12.88	16.01	12.80	17.04
107.3	13.03	17.22	13.53	18.19	12.93	16.05	12.84	17.09
107.4	13.08	17.26	13.58	18.24	12.97	16.09	12.89	17.14
107.5	13.13	17.30	13.62	18.29	13.02	16.14	12.93	17.18
107.6	13.18	17.34	13.66	18.33	13.06	16.18	12.98	17.23
107.7	13.22	17.39	13.71	18.38	13.11	16.22	13.02	17.28
107.8	13.27	17.43	13.75	18.43	13.15	16.27	13.07	17.33
107.9	13.32	17.47	13.79	18.48	13.20	16.31	13.12	17.38

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
108.0	13.37	17.52	13.84	18.52	13.25	16.36	13.16	17.42
108.1	13.41	17.56	13.88	18.57	13.29	16.40	13.21	17.47
108.2	13.46	17.60	13.92	18.62	13.34	16.45	13.25	17.52
108.3	13.51	17.65	13.97	18.67	13.38	16.49	13.30	17.57
108.4	13.56	17.69	14.01	18.72	13.43	16.54	13.34	17.62
108.5	13.60	17.74	14.05	18.77	13.47	16.58	13.39	17.67
108.6	13.65	17.78	14.10	18.82	13.52	16.63	13.44	17.72
108.7	13.70	17.83	14.14	18.87	13.57	16.68	13.48	17.77
108.8	13.75	17.87	14.19	18.92	13.61	16.72	13.53	17.82
108.9	13.79	17.92	14.23	18.97	13.66	16.77	13.57	17.87
109.0	13.84	17.96	14.27	19.02	13.70	16.82	13.62	17.92
109.1	13.89	18.01	14.32	19.07	13.75	16.87	13.67	17.97
109.2	13.94	18.06	14.36	19.12	13.80	16.91	13.71	18.03
109.3	13.98	18.10	14.40	19.17	13.84	16.96	13.76	18.08
109.4	14.03	18.15	14.45	19.22	13.89	17.01	13.80	18.13
109.5	14.08	18.20	14.49	19.28	13.93	17.06	13.85	18.18
109.6	14.13	18.25	14.53	19.33	13.98	17.11	13.89	18.24
109.7	14.17	18.29	14.58	19.38	14.02	17.16	13.94	18.29
109.8	14.22	18.34	14.62	19.43	14.07	17.20	13.99	18.34
109.9	14.27	18.39	14.67	19.49	14.12	17.25	14.03	18.40
110.0	14.32	18.44	14.71	19.54	14.16	17.30	14.08	18.45
110.1	14.37	18.49	14.75	19.59	14.21	17.35	14.12	18.50
110.2	14.41	18.54	14.80	19.65	14.25	17.40	14.17	18.56
110.3	14.46	18.59	14.84	19.70	14.30	17.45	14.22	18.61
110.4	14.51	18.64	14.88	19.76	14.35	17.51	14.26	18.67
110.5	14.56	18.69	14.93	19.81	14.39	17.56	14.31	18.72
110.6	14.60	18.74	14.97	19.86	14.44	17.61	14.35	18.78
110.7	14.65	18.79	15.02	19.92	14.48	17.66	14.40	18.83
110.8	14.70	18.84	15.06	19.98	14.53	17.71	14.45	18.89
110.9	14.75	18.89	15.10	20.03	14.58	17.76	14.49	18.94
111.0	14.80	18.94	15.15	20.09	14.62	17.82	14.54	19.00
111.1	14.84	18.99	15.19	20.14	14.67	17.87	14.58	19.06
111.2	14.89	19.04	15.24	20.20	14.71	17.92	14.63	19.11
111.3	14.94	19.10	15.28	20.26	14.76	17.97	14.68	19.17
111.4	14.99	19.15	15.32	20.31	14.81	18.03	14.72	19.23
111.5	15.04	19.20	15.37	20.37	14.85	18.08	14.77	19.29
111.6	15.08	19.25	15.41	20.43	14.90	18.13	14.82	19.34
111.7	15.13	19.31	15.45	20.48	14.95	18.19	14.86	19.40
111.8	15.18	19.36	15.50	20.54	14.99	18.24	14.91	19.46
111.9	15.23	19.41	15.54	20.60	15.04	18.30	14.95	19.52

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
112.0	15.28	19.47	15.59	20.66	15.08	18.35	15.00	19.58
112.1	15.32	19.52	15.63	20.72	15.13	18.41	15.05	19.64
112.2	15.37	19.57	15.67	20.78	15.18	18.46	15.09	19.69
112.3	15.42	19.63	15.72	20.84	15.22	18.52	15.14	19.75
112.4	15.47	19.68	15.76	20.90	15.27	18.57	15.19	19.81
112.5	15.52	19.74	15.81	20.95	15.31	18.63	15.23	19.87
112.6	15.56	19.79	15.85	21.01	15.36	18.69	15.28	19.93
112.7	15.61	19.85	15.90	21.07	15.41	18.74	15.32	20.00
112.8	15.66	19.91	15.94	21.14	15.45	18.80	15.37	20.06
112.9	15.71	19.96	15.98	21.20	15.50	18.86	15.42	20.12
113.0	15.76	20.02	16.03	21.26	15.55	18.91	15.46	20.18
113.1	15.80	20.08	16.07	21.32	15.59	18.97	15.51	20.24
113.2	15.85	20.13	16.12	21.38	15.64	19.03	15.56	20.30
113.3	15.90	20.19	16.16	21.44	15.69	19.09	15.60	20.36
113.4	15.95	20.25	16.20	21.50	15.73	19.15	15.65	20.43
113.5	16.00	20.30	16.25	21.57	15.78	19.20	15.70	20.49
113.6	16.04	20.36	16.29	21.63	15.82	19.26	15.74	20.55
113.7	16.09	20.42	16.34	21.69	15.87	19.32	15.79	20.62
113.8	16.14	20.48	16.38	21.75	15.92	19.38	15.83	20.68
113.9	16.19	20.54	16.43	21.82	15.96	19.44	15.88	20.74
114.0	16.24	20.60	16.47	21.88	16.01	19.50	15.93	20.81
114.1	16.29	20.65	16.51	21.94	16.06	19.56	15.97	20.87
114.2	16.33	20.71	16.56	22.01	16.10	19.62	16.02	20.93
114.3	16.38	20.77	16.60	22.07	16.15	19.68	16.07	21.00
114.4	16.43	20.83	16.65	22.14	16.20	19.74	16.11	21.06
114.5	16.48	20.89	16.69	22.20	16.24	19.81	16.16	21.13
114.6	16.53	20.95	16.74	22.27	16.29	19.87	16.21	21.20
114.7	16.58	21.02	16.78	22.33	16.34	19.93	16.25	21.26
114.8	16.62	21.08	16.82	22.40	16.38	19.99	16.30	21.33
114.9	16.67	21.14	16.87	22.46	16.43	20.05	16.35	21.39
115.0	16.72	21.20	16.91	22.53	16.48	20.12	16.39	21.46
115.1	16.77	21.26	16.96	22.60	16.52	20.18	16.44	21.53
115.2	16.82	21.32	17.00	22.66	16.57	20.24	16.49	21.59
115.3	16.87	21.38	17.05	22.73	16.62	20.30	16.53	21.66
115.4	16.91	21.45	17.09	22.80	16.66	20.37	16.58	21.73
115.5	16.96	21.51	17.14	22.86	16.71	20.43	16.63	21.80
115.6	17.01	21.57	17.18	22.93	16.76	20.50	16.67	21.86
115.7	17.06	21.64	17.22	23.00	16.80	20.56	16.72	21.93
115.8	17.11	21.70	17.27	23.07	16.85	20.62	16.77	22.00
115.9	17.16	21.76	17.31	23.13	16.90	20.69	16.81	22.07

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
116.0	17.21	21.83	17.36	23.20	16.94	20.75	16.86	22.14
116.1	17.25	21.89	17.40	23.27	16.99	20.82	16.91	22.21
116.2	17.30	21.96	17.45	23.34	17.04	20.89	16.95	22.28
116.3	17.35	22.02	17.49	23.41	17.08	20.95	17.00	22.35
116.4	17.40	22.09	17.54	23.48	17.13	21.02	17.05	22.42
116.5	17.45	22.15	17.58	23.55	17.18	21.08	17.09	22.49
116.6	17.50	22.22	17.63	23.62	17.22	21.15	17.14	22.56
116.7	17.55	22.28	17.67	23.69	17.27	21.22	17.19	22.63
116.8	17.59	22.35	17.71	23.76	17.32	21.28	17.24	22.70
116.9	17.64	22.41	17.76	23.83	17.36	21.35	17.28	22.77
117.0	17.69	22.48	17.80	23.90	17.41	21.42	17.33	22.84
117.1	17.74	22.55	17.85	23.98	17.46	21.49	17.38	22.91
117.2	17.79	22.62	17.89	24.05	17.50	21.56	17.42	22.99
117.3	17.84	22.68	17.94	24.12	17.55	21.62	17.47	23.06
117.4	17.89	22.75	17.98	24.19	17.60	21.69	17.52	23.13
117.5	17.94	22.82	18.03	24.26	17.65	21.76	17.56	23.20
117.6	17.98	22.89	18.07	24.34	17.69	21.83	17.61	23.28
117.7	18.03	22.95	18.12	24.41	17.74	21.90	17.66	23.35
117.8	18.08	23.02	18.16	24.48	17.79	21.97	17.70	23.42
117.9	18.13	23.09	18.21	24.56	17.83	22.04	17.75	23.50
118.0	18.18	23.16	18.25	24.63	17.88	22.11	17.80	23.57
118.1	18.23	23.23	18.30	24.70	17.93	22.18	17.85	23.65
118.2	18.28	23.30	18.34	24.78	17.97	22.25	17.89	23.72
118.3	18.33	23.37	18.39	24.85	18.02	22.32	17.94	23.80
118.4	18.37	23.44	18.43	24.93	18.07	22.39	17.99	23.87
118.5	18.42	23.51	18.48	25.00	18.12	22.46	18.03	23.95
118.6	18.47	23.58	18.52	25.08	18.16	22.54	18.08	24.02
118.7	18.52	23.65	18.57	25.15	18.21	22.61	18.13	24.10
118.8	18.57	23.72	18.61	25.23	18.26	22.68	18.18	24.17
118.9	18.62	23.79	18.65	25.30	18.30	22.75	18.22	24.25
119.0	18.67	23.87	18.70	25.38	18.35	22.82	18.27	24.33
119.1	18.72	23.94	18.74	25.46	18.40	22.90	18.32	24.40
119.2	18.77	24.01	18.79	25.53	18.45	22.97	18.36	24.48
119.3	18.81	24.08	18.83	25.61	18.49	23.04	18.41	24.56
119.4	18.86	24.16	18.88	25.69	18.54	23.12	18.46	24.64
119.5	18.91	24.23	18.92	25.77	18.59	23.19	18.51	24.72
119.6	18.96	24.30	18.97	25.84	18.63	23.27	18.55	24.79
119.7	19.01	24.37	19.01	25.92	18.68	23.34	18.60	24.87
119.8	19.06	24.45	19.06	26.00	18.73	23.42	18.65	24.95
119.9	19.11	24.52	19.10	26.08	18.78	23.49	18.70	25.03



DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
120.0	19.16	24.60	19.15	26.16	18.82	23.57	18.74	25.11
120.1	19.21	24.67	19.20	26.24	18.87	23.64	18.79	25.19
120.2	19.26	24.75	19.24	26.32	18.92	23.72	18.84	25.27
120.3	19.30	24.82	19.29	26.40	18.96	23.79	18.88	25.35
120.4	19.35	24.90	19.33	26.47	19.01	23.87	18.93	25.43
120.5	19.40	24.97	19.38	26.55	19.06	23.95	18.98	25.51
120.6	19.45	25.05	19.42	26.64	19.11	24.02	19.03	25.59
120.7	19.50	25.12	19.47	26.72	19.15	24.10	19.07	25.67
120.8	19.55	25.20	19.51	26.80	19.20	24.18	19.12	25.75
120.9	19.60	25.28	19.56	26.88	19.25	24.26	19.17	25.83
121.0	19.65	25.35	19.60	26.96	19.30	24.33	19.22	25.92
121.1	19.70	25.43	19.65	27.04	19.34	24.41	19.26	26.00
121.2	19.75	25.51	19.69	27.12	19.39	24.49	19.31	26.08
121.3	19.80	25.58	19.74	27.20	19.44	24.57	19.36	26.16
121.4	19.85	25.66	19.78	27.29	19.49	24.65	19.41	26.25
121.5	19.90	25.74	19.83	27.37	19.53	24.73	19.45	26.33
121.6	19.94	25.82	19.87	27.45	19.58	24.81	19.50	26.41
121.7	19.99	25.90	19.92	27.54	19.63	24.88	19.55	26.50
121.8	20.04	25.98	19.96	27.62	19.68	24.96	19.60	26.58
121.9	20.09	26.06	20.01	27.70	19.72	25.04	19.64	26.66
122.0	20.14	26.13	20.05	27.79	19.77	25.13	19.69	26.75
122.1	20.19	26.21	20.10	27.87	19.82	25.21	19.74	26.83
122.2	20.24	26.29	20.14	27.96	19.87	25.29	19.79	26.92
122.3	20.29	26.37	20.19	28.04	19.91	25.37	19.83	27.00
122.4	20.34	26.45	20.24	28.13	19.96	25.45	19.88	27.09
122.5	20.39	26.54	20.28	28.21	20.01	25.53	19.93	27.17
122.6	20.44	26.62	20.33	28.30	20.06	25.61	19.98	27.26
122.7	20.49	26.70	20.37	28.38	20.10	25.70	20.02	27.35
122.8	20.54	26.78	20.42	28.47	20.15	25.78	20.07	27.43
122.9	20.59	26.86	20.46	28.55	20.20	25.86	20.12	27.52
123.0	20.64	26.94	20.51	28.64	20.25	25.94	20.17	27.61
123.1	20.69	27.02	20.55	28.73	20.30	26.03	20.22	27.69
123.2	20.73	27.11	20.60	28.81	20.34	26.11	20.26	27.78
123.3	20.78	27.19	20.64	28.90	20.39	26.19	20.31	27.87
123.4	20.83	27.27	20.69	28.99	20.44	26.28	20.36	27.96
123.5	20.88	27.36	20.74	29.08	20.49	26.36	20.41	28.04
123.6	20.93	27.44	20.78	29.16	20.53	26.45	20.45	28.13
123.7	20.98	27.52	20.83	29.25	20.58	26.53	20.50	28.22
123.8	21.03	27.61	20.87	29.34	20.63	26.62	20.55	28.31
123.9	21.08	27.69	20.92	29.43	20.68	26.70	20.60	28.40

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
124.0	21.13	27.77	20.96	29.52	20.72	26.79	20.65	28.49
124.1	21.18	27.86	21.01	29.61	20.77	26.87	20.69	28.58
124.2	21.23	27.94	21.05	29.70	20.82	26.96	20.74	28.67
124.3	21.28	28.03	21.10	29.79	20.87	27.04	20.79	28.76
124.4	21.33	28.12	21.15	29.88	20.92	27.13	20.84	28.85
124.5	21.38	28.20	21.19	29.97	20.96	27.22	20.88	28.94
124.6	21.43	28.29	21.24	30.06	21.01	27.31	20.93	29.03
124.7	21.48	28.37	21.28	30.15	21.06	27.39	20.98	29.12
124.8	21.53	28.46	21.33	30.24	21.11	27.48	21.03	29.21
124.9	21.58	28.55	21.37	30.33	21.16	27.57	21.08	29.30
125.0	21.63	28.63	21.42	30.42	21.20	27.66	21.12	29.40
125.1	21.68	28.72	21.47	30.52	21.25	27.74	21.17	29.49
125.2	21.73	28.81	21.51	30.61	21.30	27.83	21.22	29.58
125.3	21.78	28.90	21.56	30.70	21.35	27.92	21.27	29.67
125.4	21.83	28.98	21.60	30.79	21.40	28.01	21.32	29.77
125.5	21.88	29.07	21.65	30.89	21.44	28.10	21.36	29.86
125.6	21.93	29.16	21.70	30.98	21.49	28.19	21.41	29.95
125.7	21.98	29.25	21.74	31.07	21.54	28.28	21.46	30.05
125.8	22.03	29.34	21.79	31.17	21.59	28.37	21.51	30.14
125.9	22.08	29.43	21.83	31.26	21.64	28.46	21.56	30.24
126.0	22.13	29.52	21.88	31.35	21.68	28.55	21.61	30.33
126.1	22.18	29.61	21.92	31.45	21.73	28.64	21.65	30.43
126.2	22.23	29.70	21.97	31.54	21.78	28.73	21.70	30.52
126.3	22.28	29.79	22.02	31.64	21.83	28.82	21.75	30.62
126.4	22.33	29.88	22.06	31.73	21.88	28.92	21.80	30.71
126.5	22.38	29.97	22.11	31.83	21.92	29.01	21.85	30.81
126.6	22.43	30.06	22.15	31.92	21.97	29.10	21.89	30.90
126.7	22.48	30.15	22.20	32.02	22.02	29.19	21.94	31.00
126.8	22.53	30.24	22.25	32.12	22.07	29.28	21.99	31.10
126.9	22.58	30.33	22.29	32.21	22.12	29.38	22.04	31.19
127.0	22.63	30.43	22.34	32.31	22.17	29.47	22.09	31.29
127.1	22.68	30.52	22.38	32.41	22.21	29.56	22.14	31.39
127.2	22.73	30.61	22.43	32.50	22.26	29.66	22.18	31.49
127.3	22.78	30.70	22.48	32.60	22.31	29.75	22.23	31.58
127.4	22.83	30.80	22.52	32.70	22.36	29.85	22.28	31.68
127.5	22.88	30.89	22.57	32.80	22.41	29.94	22.33	31.78
127.6	22.93	30.98	22.61	32.90	22.45	30.03	22.38	31.88
127.7	22.98	31.08	22.66	32.99	22.50	30.13	22.42	31.98
127.8	23.03	31.17	22.71	33.09	22.55	30.22	22.47	32.08
127.9	23.08	31.27	22.75	33.19	22.60	30.32	22.52	32.18

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
128.0	23.13	31.36	22.80	33.29	22.65	30.42	22.57	32.28
128.1	23.18	31.46	22.85	33.39	22.70	30.51	22.62	32.38
128.2	23.23	31.55	22.89	33.49	22.74	30.61	22.67	32.48
128.3	23.28	31.65	22.94	33.59	22.79	30.70	22.72	32.58
128.4	23.33	31.74	22.98	33.69	22.84	30.80	22.76	32.68
128.5	23.38	31.84	23.03	33.79	22.89	30.90	22.81	32.78
128.6	23.43	31.94	23.08	33.89	22.94	31.00	22.86	32.88
128.7	23.48	32.03	23.12	33.99	22.99	31.09	22.91	32.98
128.8	23.53	32.13	23.17	34.09	23.04	31.19	22.96	33.08
128.9	23.58	32.23	23.21	34.20	23.08	31.29	23.01	33.19
129.0	23.63	32.32	23.26	34.30	23.13	31.39	23.05	33.29
129.1	23.68	32.42	23.31	34.40	23.18	31.49	23.10	33.39
129.2	23.73	32.52	23.35	34.50	23.23	31.58	23.15	33.49
129.3	23.78	32.62	23.40	34.60	23.28	31.68	23.20	33.60
129.4	23.83	32.71	23.45	34.71	23.33	31.78	23.25	33.70
129.5	23.88	32.81	23.49	34.81	23.37	31.88	23.30	33.80
129.6	23.93	32.91	23.54	34.91	23.42	31.98	23.35	33.91
129.7	23.98	33.01	23.59	35.02	23.47	32.08	23.39	34.01
129.8	24.03	33.11	23.63	35.12	23.52	32.18	23.44	34.11
129.9	24.08	33.21	23.68	35.23	23.57	32.28	23.49	34.22
130.0	24.13	33.31	23.72	35.33	23.62	32.38	23.54	34.32
130.1	24.18	33.41	23.77	35.43	23.67	32.49	23.59	34.43
130.2	24.23	33.51	23.82	35.54	23.71	32.59	23.64	34.53
130.3	24.28	33.61	23.86	35.64	23.76	32.69	23.69	34.64
130.4	24.33	33.71	23.91	35.75	23.81	32.79	23.74	34.75
130.5	24.38	33.81	23.96	35.86	23.86	32.89	23.78	34.85
130.6	24.43	33.91	24.00	35.96	23.91	32.99	23.83	34.96
130.7	24.48	34.01	24.05	36.07	23.96	33.10	23.88	35.06
130.8	24.54	34.12	24.10	36.17	24.01	33.20	23.93	35.17
130.9	24.59	34.22	24.14	36.28	24.06	33.30	23.98	35.28
131.0	24.64	34.32	24.19	36.39	24.10	33.41	24.03	35.39
131.1	24.69	34.42	24.24	36.49	24.15	33.51	24.08	35.49
131.2	24.74	34.53	24.28	36.60	24.20	33.61	24.13	35.60
131.3	24.79	34.63	24.33	36.71	24.25	33.72	24.17	35.71
131.4	24.84	34.73	24.38	36.82	24.30	33.82	24.22	35.82
131.5	24.89	34.84	24.42	36.93	24.35	33.93	24.27	35.93
131.6	24.94	34.94	24.47	37.03	24.40	34.03	24.32	36.04
131.7	24.99	35.04	24.52	37.14	24.45	34.14	24.37	36.14
131.8	25.04	35.15	24.56	37.25	24.49	34.24	24.42	36.25
131.9	25.09	35.25	24.61	37.36	24.54	34.35	24.47	36.36

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
132.0	25.14	35.36	24.66	37.47	24.59	34.45	24.52	36.47
132.1	25.19	35.46	24.70	37.58	24.64	34.56	24.57	36.58
132.2	25.24	35.57	24.75	37.69	24.69	34.67	24.61	36.69
132.3	25.29	35.67	24.80	37.80	24.74	34.77	24.66	36.81
132.4	25.35	35.78	24.84	37.91	24.79	34.88	24.71	36.92
132.5	25.40	35.89	24.89	38.02	24.84	34.99	24.76	37.03
132.6	25.45	35.99	24.94	38.13	24.89	35.10	24.81	37.14
132.7	25.50	36.10	24.98	38.24	24.94	35.20	24.86	37.25
132.8	25.55	36.21	25.03	38.36	24.98	35.31	24.91	37.36
132.9	25.60	36.31	25.08	38.47	25.03	35.42	24.96	37.47
133.0	25.65	36.42	25.12	38.58	25.08	35.53	25.01	37.59
133.1	25.70	36.53	25.17	38.69	25.13	35.64	25.06	37.70
133.2	25.75	36.64	25.22	38.80	25.18	35.75	25.10	37.81
133.3	25.80	36.74	25.26	38.92	25.23	35.85	25.15	37.93
133.4	25.85	36.85	25.31	39.03	25.28	35.96	25.20	38.04
133.5	25.90	36.96	25.36	39.14	25.33	36.07	25.25	38.15
133.6	25.95	37.07	25.40	39.26	25.38	36.18	25.30	38.27
133.7	26.01	37.18	25.45	39.37	25.43	36.29	25.35	38.38
133.8	26.06	37.29	25.50	39.49	25.47	36.40	25.40	38.50
133.9	26.11	37.40	25.55	39.60	25.52	36.52	25.45	38.61
134.0	26.16	37.51	25.59	39.71	25.57	36.63	25.50	38.73
134.1	26.21	37.62	25.64	39.83	25.62	36.74	25.55	38.84
134.2	26.26	37.73	25.69	39.94	25.67	36.85	25.60	38.96
134.3	26.31	37.84	25.73	40.06	25.72	36.96	25.64	39.07
134.4	26.36	37.95	25.78	40.18	25.77	37.07	25.69	39.19
134.5	26.41	38.06	25.83	40.29	25.82	37.19	25.74	39.30
134.6	26.46	38.17	25.87	40.41	25.87	37.30	25.79	39.42
134.7	26.52	38.29	25.92	40.52	25.92	37.41	25.84	39.54
134.8	26.57	38.40	25.97	40.64	25.97	37.52	25.89	39.66
134.9	26.62	38.51	26.02	40.76	26.02	37.64	25.94	39.77
135.0	26.67	38.62	26.06	40.87	26.07	37.75	25.99	39.89
135.1	26.72	38.74	26.11	40.99	26.11	37.87	26.04	40.01
135.2	26.77	38.85	26.16	41.11	26.16	37.98	26.09	40.13
135.3	26.82	38.96	26.20	41.23	26.21	38.09	26.14	40.24
135.4	26.87	39.08	26.25	41.35	26.26	38.21	26.19	40.36
135.5	26.92	39.19	26.30	41.46	26.31	38.32	26.24	40.48
135.6	26.98	39.30	26.34	41.58	26.36	38.44	26.29	40.60
135.7	27.03	39.42	26.39	41.70	26.41	38.55	26.34	40.72
135.8	27.08	39.53	26.44	41.82	26.46	38.67	26.38	40.84
135.9	27.13	39.65	26.49	41.94	26.51	38.79	26.43	40.96

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
136.0	27.18	39.76	26.53	42.06	26.56	38.90	26.48	41.08
136.1	27.23	39.88	26.58	42.18	26.61	39.02	26.53	41.20
136.2	27.28	39.99	26.63	42.30	26.66	39.13	26.58	41.32
136.3	27.33	40.11	26.68	42.42	26.71	39.25	26.63	41.44
136.4	27.39	40.23	26.72	42.54	26.76	39.37	26.68	41.56
136.5	27.44	40.34	26.77	42.66	26.81	39.49	26.73	41.68
136.6	27.49	40.46	26.82	42.78	26.86	39.60	26.78	41.81
136.7	27.54	40.58	26.86	42.90	26.91	39.72	26.83	41.93
136.8	27.59	40.69	26.91	43.03	26.95	39.84	26.88	42.05
136.9	27.64	40.81	26.96	43.15	27.00	39.96	26.93	42.17
137.0	27.69	40.93	27.01	43.27	27.05	40.08	26.98	42.30
137.1	27.74	41.05	27.05	43.39	27.10	40.20	27.03	42.42
137.2	27.80	41.16	27.10	43.52	27.15	40.32	27.08	42.54
137.3	27.85	41.28	27.15	43.64	27.20	40.43	27.13	42.66
137.4	27.90	41.40	27.20	43.76	27.25	40.55	27.18	42.79
137.5	27.95	41.52	27.24	43.89	27.30	40.67	27.23	42.91
137.6	28.00	41.64	27.29	44.01	27.35	40.79	27.28	43.04
137.7	28.05	41.76	27.34	44.13	27.40	40.92	27.33	43.16
137.8	28.10	41.88	27.39	44.26	27.45	41.04	27.38	43.29
137.9	28.16	42.00	27.43	44.38	27.50	41.16	27.43	43.41
138.0	28.21	42.12	27.48	44.51	27.55	41.28	27.48	43.54
138.1	28.26	42.24	27.53	44.63	27.60	41.40	27.53	43.66
138.2	28.31	42.36	27.58	44.76	27.65	41.52	27.57	43.79
138.3	28.36	42.48	27.62	44.88	27.70	41.64	27.62	43.91
138.4	28.41	42.60	27.67	45.01	27.75	41.77	27.67	44.04
138.5	28.46	42.72	27.72	45.14	27.80	41.89	27.72	44.17
138.6	28.52	42.85	27.77	45.26	27.85	42.01	27.77	44.29
138.7	28.57	42.97	27.81	45.39	27.90	42.13	27.82	44.42
138.8	28.62	43.09	27.86	45.52	27.95	42.26	27.87	44.55
138.9	28.67	43.21	27.91	45.64	28.00	42.38	27.92	44.67
139.0	28.72	43.33	27.96	45.77	28.05	42.51	27.97	44.80
139.1	28.77	43.46	28.00	45.90	28.10	42.63	28.02	44.93
139.2	28.83	43.58	28.05	46.03	28.15	42.75	28.07	45.06
139.3	28.88	43.70	28.10	46.15	28.20	42.88	28.12	45.19
139.4	28.93	43.83	28.15	46.28	28.25	43.00	28.17	45.32
139.5	28.98	43.95	28.19	46.41	28.30	43.13	28.22	45.45
139.6	29.03	44.08	28.24	46.54	28.35	43.25	28.27	45.57
139.7	29.08	44.20	28.29	46.67	28.40	43.38	28.32	45.70
139.8	29.14	44.33	28.34	46.80	28.45	43.50	28.37	45.83
139.9	29.19	44.45	28.39	46.93	28.50	43.63	28.42	45.96

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
140.0	29.24	44.58	28.43	47.06	28.55	43.76	28.47	46.09
140.1	29.29	44.70	28.48	47.19	28.60	43.88	28.52	46.23
140.2	29.34	44.83	28.53	47.32	28.65	44.01	28.57	46.36
140.3	29.39	44.95	28.58	47.45	28.70	44.14	28.62	46.49
140.4	29.45	45.08	28.62	47.58	28.75	44.27	28.67	46.62
140.5	29.50	45.21	28.67	47.71	28.80	44.39	28.72	46.75
140.6	29.55	45.33	28.72	47.84	28.85	44.52	28.77	46.88
140.7	29.60	45.46	28.77	47.97	28.90	44.65	28.82	47.01
140.8	29.65	45.59	28.82	48.11	28.95	44.78	28.87	47.15
140.9	29.71	45.72	28.86	48.24	29.00	44.91	28.92	47.28
141.0	29.76	45.84	28.91	48.37	29.05	45.04	28.97	47.41
141.1	29.81	45.97	28.96	48.50	29.10	45.16	29.02	47.55
141.2	29.86	46.10	29.01	48.64	29.15	45.29	29.07	47.68
141.3	29.91	46.23	29.06	48.77	29.20	45.42	29.12	47.81
141.4	29.97	46.36	29.10	48.90	29.25	45.55	29.17	47.95
141.5	30.02	46.49	29.15	49.04	29.30	45.68	29.22	48.08
141.6	30.07	46.62	29.20	49.17	29.35	45.81	29.27	48.22
141.7	30.12	46.75	29.25	49.31	29.40	45.95	29.32	48.35
141.8	30.17	46.88	29.30	49.44	29.45	46.08	29.37	48.48
141.9	30.22	47.01	29.34	49.57	29.50	46.21	29.42	48.62
142.0	30.28	47.14	29.39	49.71	29.55	46.34	29.47	48.76
142.1	30.33	47.27	29.44	49.85	29.60	46.47	29.53	48.89
142.2	30.38	47.40	29.49	49.98	29.65	46.60	29.58	49.03
142.3	30.43	47.53	29.54	50.12	29.70	46.73	29.63	49.16
142.4	30.49	47.66	29.58	50.25	29.75	46.87	29.68	49.30
142.5	30.54	47.79	29.63	50.39	29.80	47.00	29.73	49.44
142.6	30.59	47.92	29.68	50.53	29.85	47.13	29.78	49.57
142.7	30.64	48.06	29.73	50.66	29.90	47.27	29.83	49.71
142.8	30.69	48.19	29.78	50.80	29.95	47.40	29.88	49.85
142.9	30.75	48.32	29.82	50.94	30.00	47.53	29.93	49.99
143.0	30.80	48.46	29.87	51.07	30.05	47.67	29.98	50.12
143.1	30.85	48.59	29.92	51.21	30.10	47.80	30.03	50.26
143.2	30.90	48.72	29.97	51.35	30.15	47.94	30.08	50.40
143.3	30.95	48.86	30.02	51.49	30.20	48.07	30.13	50.54
143.4	31.01	48.99	30.06	51.63	30.25	48.21	30.18	50.68
143.5	31.06	49.12	30.11	51.77	30.30	48.34	30.23	50.82
143.6	31.11	49.26	30.16	51.91	30.35	48.48	30.28	50.96
143.7	31.16	49.39	30.21	52.04	30.40	48.61	30.33	51.10
143.8	31.22	49.53	30.26	52.18	30.45	48.75	30.38	51.24
143.9	31.27	49.66	30.31	52.32	30.50	48.89	30.43	51.38

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
144.0	31.32	49.80	30.35	52.46	30.56	49.02	30.48	51.52
144.1	31.37	49.94	30.40	52.60	30.61	49.16	30.53	51.66
144.2	31.42	50.07	30.45	52.75	30.66	49.30	30.58	51.80
144.3	31.48	50.21	30.50	52.89	30.71	49.43	30.63	51.94
144.4	31.53	50.34	30.55	53.03	30.76	49.57	30.68	52.08
144.5	31.58	50.48	30.60	53.17	30.81	49.71	30.74	52.23
144.6	31.63	50.62	30.64	53.31	30.86	49.85	30.79	52.37
144.7	31.69	50.76	30.69	53.45	30.91	49.99	30.84	52.51
144.8	31.74	50.89	30.74	53.59	30.96	50.12	30.89	52.65
144.9	31.79	51.03	30.79	53.74	31.01	50.26	30.94	52.80
145.0	31.84	51.17	30.84	53.88	31.06	50.40	30.99	52.94
145.1	31.90	51.31	30.89	54.02	31.11	50.54	31.04	53.08
145.2	31.95	51.45	30.93	54.17	31.16	50.68	31.09	53.23
145.3	32.00	51.58	30.98	54.31	31.21	50.82	31.14	53.37
145.4	32.05	51.72	31.03	54.45	31.26	50.96	31.19	53.51
145.5	32.11	51.86	31.08	54.60	31.31	51.10	31.24	53.66
145.6	32.16	52.00	31.13	54.74	31.36	51.24	31.29	53.80
145.7	32.21	52.14	31.18	54.89	31.42	51.38	31.34	53.95
145.8	32.26	52.28	31.23	55.03	31.47	51.52	31.39	54.09
145.9	32.32	52.42	31.27	55.18	31.52	51.67	31.45	54.24
146.0	32.37	52.56	31.32	55.32	31.57	51.81	31.50	54.38
146.1	32.42	52.70	31.37	55.47	31.62	51.95	31.55	54.53
146.2	32.47	52.85	31.42	55.61	31.67	52.09	31.60	54.68
146.3	32.53	52.99	31.47	55.76	31.72	52.23	31.65	54.82
146.4	32.58	53.13	31.52	55.90	31.77	52.38	31.70	54.97
146.5	32.63	53.27	31.57	56.05	31.82	52.52	31.75	55.12
146.6	32.68	53.41	31.61	56.20	31.87	52.66	31.80	55.26
146.7	32.74	53.56	31.66	56.35	31.92	52.81	31.85	55.41
146.8	32.79	53.70	31.71	56.49	31.97	52.95	31.90	55.56
146.9	32.84	53.84	31.76	56.64	32.03	53.09	31.95	55.71
147.0	32.89	53.98	31.81	56.79	32.08	53.24	32.00	55.85
147.1	32.95	54.13	31.86	56.94	32.13	53.38	32.06	56.00
147.2	33.00	54.27	31.91	57.08	32.18	53.53	32.11	56.15
147.3	33.05	54.42	31.96	57.23	32.23	53.67	32.16	56.30
147.4	33.11	54.56	32.00	57.38	32.28	53.82	32.21	56.45
147.5	33.16	54.70	32.05	57.53	32.33	53.96	32.26	56.60
147.6	33.21	54.85	32.10	57.68	32.38	54.11	32.31	56.75
147.7	33.26	54.99	32.15	57.83	32.43	54.26	32.36	56.90
147.8	33.32	55.14	32.20	57.98	32.48	54.40	32.41	57.05
147.9	33.37	55.29	32.25	58.13	32.53	54.55	32.46	57.20

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
148.0	33.42	55.43	32.30	58.28	32.59	54.70	32.51	57.35
148.1	33.47	55.58	32.35	58.43	32.64	54.84	32.57	57.50
148.2	33.53	55.72	32.39	58.58	32.69	54.99	32.62	57.65
148.3	33.58	55.87	32.44	58.73	32.74	55.14	32.67	57.81
148.4	33.63	56.02	32.49	58.88	32.79	55.29	32.72	57.96
148.5	33.69	56.16	32.54	59.04	32.84	55.43	32.77	58.11
148.6	33.74	56.31	32.59	59.19	32.89	55.58	32.82	58.26
148.7	33.79	56.46	32.64	59.34	32.94	55.73	32.87	58.41
148.8	33.84	56.61	32.69	59.49	32.99	55.88	32.92	58.57
148.9	33.90	56.75	32.74	59.64	33.05	56.03	32.97	58.72
149.0	33.95	56.90	32.79	59.80	33.10	56.18	33.03	58.87
149.1	34.00	57.05	32.83	59.95	33.15	56.33	33.08	59.03
149.2	34.06	57.20	32.88	60.10	33.20	56.48	33.13	59.18
149.3	34.11	57.35	32.93	60.26	33.25	56.63	33.18	59.34
149.4	34.16	57.50	32.98	60.41	33.30	56.78	33.23	59.49
149.5	34.22	57.65	33.03	60.57	33.35	56.93	33.28	59.64
149.6	34.27	57.80	33.08	60.72	33.40	57.08	33.33	59.80
149.7	34.32	57.95	33.13	60.88	33.46	57.23	33.38	59.95
149.8	34.37	58.10	33.18	61.03	33.51	57.38	33.44	60.11
149.9	34.43	58.25	33.23	61.19	33.56	57.53	33.49	60.27
150.0	34.48	58.40	33.28	61.34	33.61	57.69	33.54	60.42
150.1	34.53	58.55	33.32	61.50	33.66	57.84	33.59	60.58
150.2	34.59	58.70	33.37	61.65	33.71	57.99	33.64	60.73
150.3	34.64	58.85	33.42	61.81	33.76	58.14	33.69	60.89
150.4	34.69	59.01	33.47	61.97	33.81	58.30	33.74	61.05
150.5	34.75	59.16	33.52	62.12	33.87	58.45	33.80	61.20
150.6	34.80	59.31	33.57	62.28	33.92	58.60	33.85	61.36
150.7	34.85	59.46	33.62	62.44	33.97	58.76	33.90	61.52
150.8	34.91	59.62	33.67	62.59	34.02	58.91	33.95	61.68
150.9	34.96	59.77	33.72	62.75	34.07	59.07	34.00	61.84
151.0	35.01	59.92	33.77	62.91	34.12	59.22	34.05	61.99
151.1	35.07	60.08	33.82	63.07	34.17	59.37	34.10	62.15
151.2	35.12	60.23	33.87	63.23	34.23	59.53	34.16	62.31
151.3	35.17	60.38	33.92	63.39	34.28	59.68	34.21	62.47
151.4	35.23	60.54	33.96	63.54	34.33	59.84	34.26	62.63
151.5	35.28	60.69	34.01	63.70	34.38	60.00	34.31	62.79
151.6	35.33	60.85	34.06	63.86	34.43	60.15	34.36	62.95
151.7	35.39	61.00	34.11	64.02	34.48	60.31	34.41	63.11
151.8	35.44	61.16	34.16	64.18	34.53	60.46	34.46	63.27
151.9	35.49	61.32	34.21	64.34	34.59	60.62	34.52	63.43



DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
152.0	35.55	61.47	34.26	64.50	34.64	60.78	34.57	63.59
152.1	35.60	61.63	34.31	64.67	34.69	60.94	34.62	63.75
152.2	35.65	61.78	34.36	64.83	34.74	61.09	34.67	63.92
152.3	35.71	61.94	34.41	64.99	34.79	61.25	34.72	64.08
152.4	35.76	62.10	34.46	65.15	34.84	61.41	34.77	64.24
152.5	35.81	62.26	34.51	65.31	34.90	61.57	34.83	64.40
152.6	35.87	62.41	34.56	65.47	34.95	61.73	34.88	64.56
152.7	35.92	62.57	34.61	65.64	35.00	61.89	34.93	64.73
152.8	35.97	62.73	34.66	65.80	35.05	62.04	34.98	64.89
152.9	36.03	62.89	34.71	65.96	35.10	62.20	35.03	65.05
153.0	36.08	63.05	34.75	66.12	35.15	62.36	35.08	65.22
153.1	36.13	63.20	34.80	66.29	35.21	62.52	35.14	65.38
153.2	36.19	63.36	34.85	66.45	35.26	62.68	35.19	65.55
153.3	36.24	63.52	34.90	66.62	35.31	62.84	35.24	65.71
153.4	36.29	63.68	34.95	66.78	35.36	63.00	35.29	65.87
153.5	36.35	63.84	35.00	66.94	35.41	63.17	35.34	66.04
153.6	36.40	64.00	35.05	67.11	35.46	63.33	35.40	66.20
153.7	36.45	64.16	35.10	67.27	35.52	63.49	35.45	66.37
153.8	36.51	64.32	35.15	67.44	35.57	63.65	35.50	66.54
153.9	36.56	64.48	35.20	67.60	35.62	63.81	35.55	66.70
154.0	36.62	64.64	35.25	67.77	35.67	63.97	35.60	66.87
154.1	36.67	64.81	35.30	67.94	35.72	64.14	35.65	67.03
154.2	36.72	64.97	35.35	68.10	35.78	64.30	35.71	67.20
154.3	36.78	65.13	35.40	68.27	35.83	64.46	35.76	67.37
154.4	36.83	65.29	35.45	68.44	35.88	64.62	35.81	67.53
154.5	36.88	65.45	35.50	68.60	35.93	64.79	35.86	67.70
154.6	36.94	65.62	35.55	68.77	35.98	64.95	35.91	67.87
154.7	36.99	65.78	35.60	68.94	36.03	65.12	35.97	68.04
154.8	37.04	65.94	35.65	69.10	36.09	65.28	36.02	68.21
154.9	37.10	66.11	35.70	69.27	36.14	65.44	36.07	68.37
155.0	37.15	66.27	35.75	69.44	36.19	65.61	36.12	68.54
155.1	37.21	66.43	35.80	69.61	36.24	65.77	36.17	68.71
155.2	37.26	66.60	35.85	69.78	36.29	65.94	36.23	68.88
155.3	37.31	66.76	35.90	69.95	36.35	66.10	36.28	69.05
155.4	37.37	66.93	35.95	70.12	36.40	66.27	36.33	69.22
155.5	37.42	67.09	36.00	70.29	36.45	66.44	36.38	69.39
155.6	37.47	67.26	36.05	70.46	36.50	66.60	36.43	69.56
155.7	37.53	67.42	36.10	70.63	36.55	66.77	36.49	69.73
155.8	37.58	67.59	36.15	70.80	36.61	66.94	36.54	69.90
155.9	37.64	67.75	36.20	70.97	36.66	67.10	36.59	70.07

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
156.0	37.69	67.92	36.25	71.14	36.71	67.27	36.64	70.24
156.1	37.74	68.09	36.30	71.31	36.76	67.44	36.69	70.41
156.2	37.80	68.25	36.35	71.48	36.82	67.61	36.75	70.59
156.3	37.85	68.42	36.40	71.65	36.87	67.77	36.80	70.76
156.4	37.91	68.59	36.45	71.82	36.92	67.94	36.85	70.93
156.5	37.96	68.76	36.50	72.00	36.97	68.11	36.90	71.10
156.6	38.01	68.92	36.55	72.17	37.02	68.28	36.96	71.28
156.7	38.07	69.09	36.60	72.34	37.08	68.45	37.01	71.45
156.8	38.12	69.26	36.65	72.51	37.13	68.62	37.06	71.62
156.9	38.18	69.43	36.70	72.69	37.18	68.79	37.11	71.80
157.0	38.23	69.60	36.75	72.86	37.23	68.96	37.16	71.97
157.1	38.28	69.77	36.80	73.03	37.28	69.13	37.22	72.14
157.2	38.34	69.94	36.85	73.21	37.34	69.30	37.27	72.32
157.3	38.39	70.10	36.90	73.38	37.39	69.47	37.32	72.49
157.4	38.45	70.27	36.95	73.56	37.44	69.64	37.37	72.67
157.5	38.50	70.44	37.00	73.73	37.49	69.81	37.43	72.84
157.6	38.55	70.61	37.05	73.91	37.55	69.98	37.48	73.02
157.7	38.61	70.79	37.10	74.08	37.60	70.15	37.53	73.19
157.8	38.66	70.96	37.15	74.26	37.65	70.32	37.58	73.37
157.9	38.72	71.13	37.20	74.43	37.70	70.50	37.64	73.55
158.0	38.77	71.30	37.25	74.61	37.76	70.67	37.69	73.72
158.1	38.82	71.47	37.30	74.78	37.81	70.84	37.74	73.90
158.2	38.88	71.64	37.35	74.96	37.86	71.01	37.79	74.08
158.3	38.93	71.81	37.40	75.14	37.91	71.19	37.84	74.25
158.4	38.99	71.99	37.45	75.31	37.97	71.36	37.90	74.43
158.5	39.04	72.16	37.50	75.49	38.02	71.53	37.95	74.61
158.6	39.10	72.33	37.55	75.67	38.07	71.71	38.00	74.79
158.7	39.15	72.50	37.60	75.85	38.12	71.88	38.05	74.96
158.8	39.20	72.68	37.65	76.02	38.17	72.06	38.11	75.14
158.9	39.26	72.85	37.70	76.20	38.23	72.23	38.16	75.32
159.0	39.31	73.03	37.75	76.38	38.28	72.41	38.21	75.50
159.1	39.37	73.20	37.80	76.56	38.33	72.58	38.26	75.68
159.2	39.42	73.37	37.85	76.74	38.38	72.76	38.32	75.86
159.3	39.48	73.55	37.90	76.92	38.44	72.93	38.37	76.04
159.4	39.53	73.72	37.95	77.10	38.49	73.11	38.42	76.22
159.5	39.58	73.90	38.00	77.28	38.54	73.29	38.48	76.40
159.6	39.64	74.07	38.05	77.46	38.60	73.46	38.53	76.58
159.7	39.69	74.25	38.10	77.64	38.65	73.64	38.58	76.76
159.8	39.75	74.43	38.15	77.82	38.70	73.82	38.63	76.94
159.9	39.80	74.60	38.20	78.00	38.75	73.99	38.69	77.12

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
160.0	39.86	74.78	38.25	78.18	38.81	74.17	38.74	77.30
160.1	39.91	74.96	38.30	78.36	38.86	74.35	38.79	77.48
160.2	39.97	75.13	38.35	78.54	38.91	74.53	38.84	77.67
160.3	40.02	75.31	38.40	78.72	38.96	74.70	38.90	77.85
160.4	40.07	75.49	38.45	78.91	39.02	74.88	38.95	78.03
160.5	40.13	75.66	38.50	79.09	39.07	75.06	39.00	78.21
160.6	40.18	75.84	38.56	79.27	39.12	75.24	39.05	78.40
160.7	40.24	76.02	38.61	79.45	39.17	75.42	39.11	78.58
160.8	40.29	76.20	38.66	79.64	39.23	75.60	39.16	78.76
160.9	40.35	76.38	38.71	79.82	39.28	75.78	39.21	78.95
161.0	40.40	76.56	38.76	80.00	39.33	75.96	39.27	79.13
161.1	40.46	76.74	38.81	80.19	39.39	76.14	39.32	79.32
161.2	40.51	76.92	38.86	80.37	39.44	76.32	39.37	79.50
161.3	40.57	77.10	38.91	80.56	39.49	76.50	39.42	79.69
161.4	40.62	77.28	38.96	80.74	39.54	76.68	39.48	79.87
161.5	40.67	77.46	39.01	80.93	39.60	76.86	39.53	80.06
161.6	40.73	77.64	39.06	81.11	39.65	77.05	39.58	80.24
161.7	40.78	77.82	39.11	81.30	39.70	77.23	39.64	80.43
161.8	40.84	78.00	39.16	81.48	39.76	77.41	39.69	80.61
161.9	40.89	78.18	39.21	81.67	39.81	77.59	39.74	80.80
162.0	40.95	78.36	39.26	81.85	39.86	77.77	39.79	80.99
162.1	41.00	78.54	39.31	82.04	39.91	77.96	39.85	81.17
162.2	41.06	78.72	39.37	82.23	39.97	78.14	39.90	81.36
162.3	41.11	78.91	39.42	82.41	40.02	78.32	39.95	81.55
162.4	41.17	79.09	39.47	82.60	40.07	78.51	40.01	81.73
162.5	41.22	79.27	39.52	82.79	40.13	78.69	40.06	81.92
162.6	41.28	79.46	39.57	82.98	40.18	78.88	40.11	82.11
162.7	41.33	79.64	39.62	83.16	40.23	79.06	40.17	82.30
162.8	41.39	79.82	39.67	83.35	40.28	79.24	40.22	82.49
162.9	41.44	80.01	39.72	83.54	40.34	79.43	40.27	82.68
163.0	41.50	80.19	39.77	83.73	40.39	79.61	40.32	82.87
163.1	41.55	80.38	39.82	83.92	40.44	79.80	40.38	83.05
163.2	41.61	80.56	39.87	84.11	40.50	79.99	40.43	83.24
163.3	41.66	80.74	39.92	84.30	40.55	80.17	40.48	83.43
163.4	41.71	80.93	39.97	84.49	40.60	80.36	40.54	83.62
163.5	41.77	81.12	40.03	84.68	40.66	80.54	40.59	83.82
163.6	41.82	81.30	40.08	84.87	40.71	80.73	40.64	84.01
163.7	41.88	81.49	40.13	85.06	40.76	80.92	40.70	84.20
163.8	41.93	81.67	40.18	85.25	40.82	81.10	40.75	84.39
163.9	41.99	81.86	40.23	85.44	40.87	81.29	40.80	84.58

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
164.0	42.04	82.05	40.28	85.63	40.92	81.48	40.86	84.77
164.1	42.10	82.23	40.33	85.82	40.97	81.67	40.91	84.96
164.2	42.15	82.42	40.38	86.01	41.03	81.86	40.96	85.16
164.3	42.21	82.61	40.43	86.21	41.08	82.04	41.02	85.35
164.4	42.26	82.79	40.48	86.40	41.13	82.23	41.07	85.54
164.5	42.32	82.98	40.54	86.59	41.19	82.42	41.12	85.73
164.6	42.37	83.17	40.59	86.78	41.24	82.61	41.18	85.93
164.7	42.43	83.36	40.64	86.98	41.29	82.80	41.23	86.12
164.8	42.48	83.55	40.69	87.17	41.35	82.99	41.28	86.31
164.9	42.54	83.74	40.74	87.36	41.40	83.18	41.34	86.51
165.0	42.59	83.93	40.79	87.56	41.45	83.37	41.39	86.70
165.1	42.65	84.12	40.84	87.75	41.51	83.56	41.44	86.90
165.2	42.70	84.31	40.89	87.95	41.56	83.75	41.50	87.09
165.3	42.76	84.50	40.94	88.14	41.61	83.94	41.55	87.29
165.4	42.82	84.69	41.00	88.34	41.67	84.13	41.60	87.48
165.5	42.87	84.88	41.05	88.53	41.72	84.33	41.66	87.68
165.6	42.93	85.07	41.10	88.73	41.77	84.52	41.71	87.87
165.7	42.98	85.26	41.15	88.92	41.83	84.71	41.76	88.07
165.8	43.04	85.45	41.20	89.12	41.88	84.90	41.82	88.27
165.9	43.09	85.64	41.25	89.31	41.93	85.09	41.87	88.46
166.0	43.15	85.83	41.30	89.51	41.99	85.29	41.92	88.66
166.1	43.20	86.02	41.35	89.71	42.04	85.48	41.98	88.86
166.2	43.26	86.22	41.41	89.90	42.09	85.67	42.03	89.05
166.3	43.31	86.41	41.46	90.10	42.15	85.87	42.08	89.25
166.4	43.37	86.60	41.51	90.30	42.20	86.06	42.14	89.45
166.5	43.42	86.80	41.56	90.50	42.26	86.26	42.19	89.65
166.6	43.48	86.99	41.61	90.69	42.31	86.45	42.24	89.84
166.7	43.53	87.18	41.66	90.89	42.36	86.64	42.30	90.04
166.8	43.59	87.38	41.71	91.09	42.42	86.84	42.35	90.24
166.9	43.64	87.57	41.76	91.29	42.47	87.03	42.40	90.44
167.0	43.70	87.76	41.82	91.49	42.52	87.23	42.46	90.64
167.1	43.75	87.96	41.87	91.69	42.58	87.43	42.51	90.84
167.2	43.81	88.15	41.92	91.89	42.63	87.62	42.57	91.04
167.3	43.87	88.35	41.97	92.09	42.68	87.82	42.62	91.24
167.4	43.92	88.54	42.02	92.29	42.74	88.01	42.67	91.44
167.5	43.98	88.74	42.07	92.49	42.79	88.21	42.73	91.64
167.6	44.03	88.94	42.12	92.69	42.84	88.41	42.78	91.84
167.7	44.09	89.13	42.18	92.89	42.90	88.60	42.83	92.04
167.8	44.14	89.33	42.23	93.09	42.95	88.80	42.89	92.24
167.9	44.20	89.52	42.28	93.29	43.01	89.00	42.94	92.45

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
168.0	44.25	89.72	42.33	93.49	43.06	89.20	42.99	92.65
168.1	44.31	89.92	42.38	93.69	43.11	89.40	43.05	92.85
168.2	44.36	90.12	42.43	93.89	43.17	89.59	43.10	93.05
168.3	44.42	90.31	42.48	94.10	43.22	89.79	43.16	93.26
168.4	44.48	90.51	42.54	94.30	43.27	89.99	43.21	93.46
168.5	44.53	90.71	42.59	94.50	43.33	90.19	43.26	93.66
168.6	44.59	90.91	42.64	94.71	43.38	90.39	43.32	93.86
168.7	44.64	91.11	42.69	94.91	43.44	90.59	43.37	94.07
168.8	44.70	91.31	42.74	95.11	43.49	90.79	43.43	94.27
168.9	44.75	91.51	42.79	95.32	43.54	90.99	43.48	94.48
169.0	44.81	91.70	42.85	95.52	43.60	91.19	43.53	94.68
169.1	44.86	91.90	42.90	95.72	43.65	91.39	43.59	94.89
169.2	44.92	92.10	42.95	95.93	43.70	91.59	43.64	95.09
169.3	44.98	92.30	43.00	96.13	43.76	91.79	43.69	95.30
169.4	45.03	92.50	43.05	96.34	43.81	92.00	43.75	95.50
169.5	45.09	92.71	43.10	96.54	43.87	92.20	43.80	95.71
169.6	45.14	92.91	43.16	96.75	43.92	92.40	43.86	95.91
169.7	45.20	93.11	43.21	96.96	43.97	92.60	43.91	96.12
169.8	45.25	93.31	43.26	97.16	44.03	92.80	43.96	96.33
169.9	45.31	93.51	43.31	97.37	44.08	93.01	44.02	96.53
170.0	45.37	93.71	43.36	97.57	44.14	93.21	44.07	96.74
170.1	45.42	93.92	43.41	97.78	44.19	93.41	44.13	96.95
170.2	45.48	94.12	43.47	97.99	44.24	93.62	44.18	97.15
170.3	45.53	94.32	43.52	98.20	44.30	93.82	44.23	97.36
170.4	45.59	94.52	43.57	98.40	44.35	94.03	44.29	97.57
170.5	45.65	94.73	43.62	98.61	44.41	94.23	44.34	97.78
170.6	45.70	94.93	43.67	98.82	44.46	94.43	44.40	97.99
170.7	45.76	95.13	43.73	99.03	44.51	94.64	44.45	98.20
170.8	45.81	95.34	43.78	99.24	44.57	94.84	44.50	98.41
170.9	45.87	95.54	43.83	99.45	44.62	95.05	44.56	98.61
171.0	45.92	95.75	43.88	99.65	44.68	95.25	44.61	98.82
171.1	45.98	95.95	43.93	99.86	44.73	95.46	44.67	99.03
171.2	46.04	96.16	43.99	100.07	44.78	95.67	44.72	99.24
171.3	46.09	96.36	44.04	100.28	44.84	95.87	44.78	99.45
171.4	46.15	96.57	44.09	100.49	44.89	96.08	44.83	99.67
171.5	46.20	96.77	44.14	100.70	44.95	96.29	44.88	99.88
171.6	46.26	96.98	44.19	100.91	45.00	96.49	44.94	100.09
171.7	46.32	97.19	44.25	101.13	45.06	96.70	44.99	100.30
171.8	46.37	97.39	44.30	101.34	45.11	96.91	45.05	100.51
171.9	46.43	97.60	44.35	101.55	45.16	97.12	45.10	100.72

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
172.0	46.48	97.81	44.40	101.76	45.22	97.32	45.16	100.93
172.1	46.54	98.01	44.45	101.97	45.27	97.53	45.21	101.15
172.2	46.60	98.22	44.51	102.18	45.33	97.74	45.26	101.36
172.3	46.65	98.43	44.56	102.40	45.38	97.95	45.32	101.57
172.4	46.71	98.64	44.61	102.61	45.44	98.16	45.37	101.79
172.5	46.76	98.85	44.66	102.82	45.49	98.37	45.43	102.00
172.6	46.82	99.05	44.71	103.04	45.54	98.58	45.48	102.21
172.7	46.88	99.26	44.77	103.25	45.60	98.79	45.54	102.43
172.8	46.93	99.47	44.82	103.46	45.65	99.00	45.59	102.64
172.9	46.99	99.68	44.87	103.68	45.71	99.21	45.64	102.85
173.0	47.05	99.89	44.92	103.89	45.76	99.42	45.70	103.07
173.1	47.10	100.10	44.97	104.11	45.82	99.63	45.75	103.28
173.2	47.16	100.31	45.03	104.32	45.87	99.84	45.81	103.50
173.3	47.21	100.52	45.08	104.54	45.92	100.05	45.86	103.71
173.4	47.27	100.73	45.13	104.75	45.98	100.27	45.92	103.93
173.5	47.33	100.94	45.18	104.97	46.03	100.48	45.97	104.15
173.6	47.38	101.15	45.24	105.18	46.09	100.69	46.03	104.36
173.7	47.44	101.37	45.29	105.40	46.14	100.90	46.08	104.58
173.8	47.50	101.58	45.34	105.61	46.20	101.12	46.13	104.80
173.9	47.55	101.79	45.39	105.83	46.25	101.33	46.19	105.01
174.0	47.61	102.00	45.44	106.05	46.31	101.54	46.24	105.23
174.1	47.66	102.21	45.50	106.26	46.36	101.76	46.30	105.45
174.2	47.72	102.43	45.55	106.48	46.41	101.97	46.35	105.67
174.3	47.78	102.64	45.60	106.70	46.47	102.18	46.41	105.88
174.4	47.83	102.85	45.65	106.92	46.52	102.40	46.46	106.10
174.5	47.89	103.07	45.71	107.14	46.58	102.61	46.52	106.32
174.6	47.95	103.28	45.76	107.35	46.63	102.83	46.57	106.54
174.7	48.00	103.49	45.81	107.57	46.69	103.04	46.63	106.76
174.8	48.06	103.71	45.86	107.79	46.74	103.26	46.68	106.98
174.9	48.11	103.92	45.92	108.01	46.80	103.47	46.73	107.20
175.0	48.17	104.14	45.97	108.23	46.85	103.69	46.79	107.42
175.1	48.23	104.35	46.02	108.45	46.91	103.90	46.84	107.64
175.2	48.28	104.57	46.07	108.67	46.96	104.12	46.90	107.86
175.3	48.34	104.78	46.13	108.89	47.02	104.34	46.95	108.08
175.4	48.40	105.00	46.18	109.11	47.07	104.55	47.01	108.30
175.5	48.45	105.22	46.23	109.33	47.12	104.77	47.06	108.52
175.6	48.51	105.43	46.28	109.55	47.18	104.99	47.12	108.74
175.7	48.57	105.65	46.34	109.77	47.23	105.21	47.17	108.96
175.8	48.62	105.87	46.39	109.99	47.29	105.42	47.23	109.18
175.9	48.68	106.08	46.44	110.22	47.34	105.64	47.28	109.41

DISC Weight for Height Tables - Expanded  
Cutpoints for Eligibility  
5th and 90th Percentile Levels

Height (cm)	White Males		White Females		Black Males		Black Females	
	5th	90th	5th	90th	5th	90th	5th	90th
176.0	48.74	106.30	46.49	110.44	47.40	105.86	47.34	109.63
176.1	48.79	106.52	46.55	110.66	47.45	106.08	47.39	109.85
176.2	48.85	106.74	46.60	110.88	47.51	106.30	47.45	110.07
176.3	48.91	106.95	46.65	111.11	47.56	106.52	47.50	110.30
176.4	48.96	107.17	46.70	111.33	47.62	106.74	47.56	110.52
176.5	49.02	107.39	46.76	111.55	47.67	106.96	47.61	110.74
176.6	49.08	107.61	46.81	111.77	47.73	107.18	47.67	110.97
176.7	49.13	107.83	46.86	112.00	47.78	107.40	47.72	111.19
176.8	49.19	108.05	46.91	112.22	47.84	107.62	47.78	111.42
176.9	49.25	108.27	46.97	112.45	47.89	107.84	47.83	111.64
177.0	49.30	108.49	47.02	112.67	47.95	108.06	47.89	111.87
177.1	49.36	108.71	47.07	112.90	48.00	108.28	47.94	112.09
177.2	49.42	108.93	47.13	113.12	48.06	108.50	48.00	112.32
177.3	49.47	109.15	47.18	113.35	48.11	108.72	48.05	112.54
177.4	49.53	109.37	47.23	113.57	48.17	108.94	48.11	112.77
177.5	49.59	109.59	47.28	113.80	48.22	109.17	48.16	112.99
177.6	49.64	109.81	47.34	114.02	48.28	109.39	48.22	113.22
177.7	49.70	110.03	47.39	114.25	48.33	109.61	48.27	113.45
177.8	49.76	110.26	47.44	114.48	48.39	109.84	48.33	113.67
177.9	49.81	110.48	47.49	114.70	48.44	110.06	48.38	113.90
178.0	49.87	110.70	47.55	114.93	48.50	110.28	48.44	114.13
178.1	49.93	110.92	47.60	115.16	48.55	110.51	48.49	114.36
178.2	49.98	111.15	47.65	115.38	48.61	110.73	48.55	114.59
178.3	50.04	111.37	47.71	115.61	48.66	110.95	48.60	114.81
178.4	50.10	111.59	47.76	115.84	48.72	111.18	48.66	115.04
178.5	50.15	111.82	47.81	116.07	48.77	111.40	48.71	115.27
178.6	50.21	112.04	47.87	116.30	48.83	111.63	48.77	115.50
178.7	50.27	112.26	47.92	116.53	48.88	111.85	48.82	115.73
178.8	50.33	112.49	47.97	116.76	48.94	112.08	48.88	115.96
178.9	50.38	112.71	48.02	116.98	48.99	112.31	48.93	116.19
179.0	50.44	112.94	48.08	117.21	49.05	112.53	48.99	116.42
179.1	50.50	113.16	48.13	117.44	49.10	112.76	49.04	116.65
179.2	50.55	113.39	48.18	117.67	49.16	112.98	49.10	116.88
179.3	50.61	113.62	48.24	117.90	49.21	113.21	49.15	117.11
179.4	50.67	113.84	48.29	118.14	49.27	113.44	49.21	117.34
179.5	50.72	114.07	48.34	118.37	49.32	113.67	49.26	117.57
179.6	50.78	114.29	48.40	118.60	49.38	113.89	49.32	117.80
179.7	50.84	114.52	48.45	118.83	49.43	114.12	49.37	118.04
179.8	50.90	114.75	48.50	119.06	49.49	114.35	49.43	118.27
179.9	50.95	114.98	48.55	119.29	49.55	114.58	49.48	118.50