

Washington Wrestling Weight Management Program

Revisions Highlighted in Yellow

Revised July 2014

PURPOSE:

The purpose of the WIAA Wrestling Weight Management Program (WWWMP) is to insure the future of interscholastic wrestling programs in the State of Washington and protect the health of all student athletes. The WWMP has been developed to assist young wrestlers as they make decisions about diet, nutrition and weight control. The program is designed to assist in avoiding potentially harmful rapid weight reduction practices utilized to achieve specific weight class participation. It is the WIAA philosophy that the basis for a sound and healthy weight control plan is best designed when the wrestler, his/her parents, his/her coach and a physician are included in the planning process. The WIAA WWMP is designed to be in compliance with the NFHS Weight management Guidelines.

COMPONENTS:

The Wrestling Weight Management Program consists of three parts:

1. The Regulation
2. Training Assessors
3. Nutritional component

THE REGULATION:

The establishment of a minimum wrestling weight class based on 7% body fat for males and 12% for females is required for all high schools. The WIAA does not advocate that a wrestler's established minimum wrestling weight class is the athlete's best weight class, but simply the minimum weight class at which the athlete will be allowed to compete.

The WWWMP program will utilize the established and documented formula as the mechanism to calculate the minimum wrestling weight for each wrestler and use the minimum wrestling weight to assign a minimum weight class.

Assessors will use the WIAA website and WWWMP forms as a data reporting tool. Schools will utilize the WIAA website as a data retrieval tool and nutritional program supplement.

ESTABLISHING MINIMUM WEIGHTS:

- A. The determination of predicted weights at a minimum of 7%/12% body fat
- B. The lowest weight class a wrestler may compete at will be determined as follows:
 1. If the certified minimum weight at 7% or 12% body fat or the weight for that week of their descent plan, **is exactly that of one of the adopted weight classes**, that weight shall be the wrestler's minimum weight class.
 2. If the certified minimum weight at 7% or 12% body or the weight for that week of their descent plan, **is one percent or less from one of the adopted weight classes**, the lower weight class shall be the wrestler's minimum weight class.

3. If the certified minimum weight at 7% or 12% body fat or the weight for that week of their descent plan, **is greater than one percent from one of the adopted weight classes**, the next higher weight class shall be the wrestlers minimum weight class.
4. Any wrestler whose body fat percentage at the time of certification falls below the 7% for males and 12% for females must submit the WIAA Certified Weight Variance Form signed by a physician licensed to perform physical examinations as outlined in WIAA Rule 18.13.1 stating that the athlete is naturally at the sub 7%/12% body fat level. The physician's clearance is valid for one season and expires March 1 of each year. The WIAA Certified Weight Variance Form must be received by the WIAA before the athlete is allowed to wrestle in any interscholastic competition.

TIME PERIOD FOR MEASUREMENTS:

- A. Assessments may begin the **Monday one (1) week (Nov 3, 2014)** prior to the first high school practice date for wrestling allowed by the WIAA **and will end January 26, 2015**. An assessment taking place on January 27 must be entered into the WIAA website on that day. Wrestlers may be measured any time on or following the start date to establish a minimum wrestling weight. All wrestlers, including those who come out late, must have their minimum weight established prior to competing.
- B. **The Monday (Jan 26, 2015) of WIAA week 11** of the wrestling season, prior to the first post season qualifying tournament will be the last week of an athlete's descent plan to establish their minimum weight for post season competition. The state tournament is week 14.

RE-ASSESSMENT

The re-assessment is meant for those athletes whose weight stabilizes in a weight class that their management plan prevents them from wrestling at. An athlete may have their body composition re-assessed **three (3)** times after initial assessment provided they meet the following criteria:

- A. All re-assessments must be completed and **entered into the program by Monday January 26, 2015.**
- B. The Re-assessment can be no lower than one weight class below the original assessment minimum weight class.
- C. **Only one assessment/re-assessment may occur during a 24 hour period.**
- D. The re-assessment will include all the elements of the initial assessment: Hydration, body weight and body density measurements.
- E. **The re-assessment can not result in an athlete having body fat composition below 7%/12%. If this occurs on re-assessment, they will use their original assessment data for lowest weight class.**
- F. Results obtained through re-assessment, even if higher than the original assessment, are final and the athlete, family, school or coach may not appeal further.
- G. The cost of any re-assessment is the responsibility of the student/athlete.

GROWTH ALLOWANCE: POST SEASON ONLY

All wrestlers participating in any and all of the post-season qualifying tournaments will receive a two pound growth allowance beginning with the first post-season qualifying tournament. Example $106 = 108$

One additional pound will be allowed for consecutive days of wrestling in post-season qualifying tournaments. Example: Second day of a post season qualifying tournament: $106 = 109$

The growth allowance is not factored into the regular season decent plan.

WEIGHT LOSS PER WEEK

- A. A weight loss of 1.5% of body weight at the time of initial assessment per week has been set. A season long weight loss plan will guide his/her weight loss during the season.
- B The weight loss plan will determine which weight classes a wrestler may weigh-in and participate at each week. Weight allowances based on consecutive matches do not affect the weight class in which the wrestler has been certified the week of his decent plan.

EXAMPLE: A wrestler competes on consecutive days; on the first day she weighed in at 119 and wrestled at 124 as required by her decent plan that read Projected Weight 119 and Eligible Weight Classes 124,130. The next day she weighs in at 119 and wrestles at 124 because her decent plan requires her to wrestle at that weight. She cannot not wrestle 119 ($118+1$) the second day because the allowance cannot be used as her eligible weight class.

- C. A wrestler may **weigh-in** for only one of the two weight classes the wrestler's weekly descent plan allows. NFHS rules allow the wrestler to wrestle up one weight class above the weight class they have weighed-in.
- D. If a wrestler weighs in one weight class below their lowest approved weight, they can only wrestle at the lowest weight of their current decent plan.
- E. Weigh-in in any weight class above the eligible weigh-in weight classes defined by the weekly weight loss descent plan will require the wrestler to recertify (**LOCK-IN**) immediately at that weight class.

EXAMPLE: Week 8, the wrestlers two weights he can weigh-in at are 145 and 152, but the wrestler weighs-in at 160. He would then be locked in at 152 or 160 for the remainder of the season. The coach must immediately submit the lock-in on the WIAA Website.

A. **PENALTY** --A wrestler who participates at a weight class, below the eligible weight class(es) defined by the weight loss plan, before the proper amount of time has passed to achieve the weight class will be considered an ineligible participant.

*Note: See Chart A for example season long weight loss plan **Chart A** (Example Season Long Weight Loss Plan)*

Weight at Initial Assessment = 170 lbs BF% = 18%		1.5% loss per week = 2.55 lbs Minimum Wrestling Weight = 149.89 lbs
1.5% loss per week = 2.55 lbs		
	Projected Weight	Eligible weight classes to weigh-in
Week 0	170 Alpha Weight	Initial Assessment Week
Week 1	167.45	170,182
Week 2	164.90	170,182
Week 3	162.35	170,182
Week 4	159.80	160,170
Week 5	157.25	160,170
Week 6	154.70	160,170
Week 7	152.15	152,160
Week 8	149.89	152,160
Week 9	149.89	152,160
Week 10	149.89	152,160
Week 11	149.89	152,160

Note 1: Chart A assumes initial assessment performed during Week 0 of the season. The date of a wrestler’s initial assessment directly impacts the number of weeks that a wrestler has to complete the weight loss plan. Depending on initial assessment date and result, some wrestlers will not achieve minimum wrestling weight within the length of the wrestling season.

Note 2: In the example weight loss plan the wrestler reaches the established minimum wrestling weight during Week 8. The wrestler will not be eligible to participate at a weight class below 152 lbs regardless of the wrestler’s actual weight at any point after Week 7 (7% body fat has been met and may not go any lower).

Note 3: The 1% variance is already calculated in the projected weight class on the decent plan.

THE ASSESSMENT PROCESS:

Coaches must enter new team members and confirm the team roster and then print out each wrestlers data collection to be given to the assessor prior to assessment process.

All athletes must have photo ID and their data collection form to begin the assessment process.

ATHLETE TESTING ATTIRE: The following attire will be required for the entire testing process:

Males: Gym shorts and in bare feet

Females: Gym Shorts and Sports Bra and in bare feet

1. **SPECIFIC GRAVITY URINE TESTING:**

All high school wrestlers enrolled in a WIAA member school must be tested for specific gravity urine density prior to being measured for body density and body fat percentages. The testing of specific gravity in urine is simply to measure the hydration levels of the athlete prior to being measured for body density. This is a pass/fail assessment based on a specific gravity equal to or less than 1.025g/ml.

Specific gravity is measured by the following method:

DIGITAL REFRACTOMETER

NOTE: Specific gravity test strips are no longer used for hydration testing.

PROTOCOL FOR REFRACTOMETER

1. The assessor shall use appropriate protective gloves for these procedures
2. The athlete handles all urine sampling
3. The athlete handles all urine disposal

PROCEDURE:

1. The athlete collects urine sample in mid-stream in privacy of the urinal
2. The athlete is provided a marked cup immediately before sampling occurs
3. Access will be limited to one athlete at a time
4. The specific gravity test shall be conducted immediately after urine sample is provided
5. Test the urine sample as per instructions provided with the refractometer.
6. Record specific gravity reading
7. If greater than 1.025 (only read three digits past the decimal) the subject may NOT continue the body composition assessment until such time as they pass the hydration test.
8. The urine sample is discarded in an acceptable receptacle.
9. The refractometer is cleaned according to instructions provided before being used for next student urine sample.
10. Once the athlete passes the hydration test they must complete the assessment without any weight loss activities (exercise) and must be completed within 15 minutes or less.
11. Failure of the hydration test does not constitute an assessment.

BODY DENSITY AND BODY FAT PERCENTAGE MEASUREMENT

The WIAA will accept body density and body fat percentage measurements using one of two different methods:

- a. Skinfold test using Lang Skinfold calipers with calibration block
- b. Air Displacement Plethysmography (ADP) using the Bod Pod

SKINFOLD MEASUREMENTS:

1. All measurements should be made on the right side of the body
2. A caliper should be placed 1 cm. away from the thumb and finger perpendicular to the skinfold and halfway between the crest and the base of the fold.
3. The pinch should be maintained while reading the caliper.
4. The assessor should wait one or two seconds (and not any longer) before reading the caliper.
5. The assessor will take duplicate measures at each site and retest if duplicate measurements are not within 1 to 2 mm.
6. The assessor will rotate through measurement sites or allow time for skin to regain normal texture and thickness.
7. Three (3) measurements should be taken at each testing point on the body.
8. The Assessor will input all data into the WIAA website within 48 hours of the assessment.
9. The Assessor will mail the data collection forms and team summary form to the WIAA office.
10. The athlete may not re-assess with-in 24 hours of the assessor's entry into the WWWMP website.

SKINFOLD MEASUREMENT SITES:

Calculation of Body Fat: The Lohman Equation for Males using three site measurements and the Boileau Equation for Females using two site measurements.

Abdominal: Vertical fold, 2 cm to the right of the umbilicus.

Triceps: Vertical fold, on the posterior midline of the upper arm, halfway between the acromion and olecranon processes, with the arm held freely to the side of the body.

Subscapular: Diagonal fold (at a 45 degree angle) on (1) to two (2) cm below the inferior angle of the scapula.

MALE TEST SITES:

Abdominal
Triceps
Subscapula

FEMALE TEST SITES:

Triceps
Subscapula

PROTOCOL FOR STANDARDIZED ASSESSMENT:

In an attempt to insure valid and reliable assessment, the following general assessment protocol should be employed by the assessor, coach and athletes:

1. The coach will enter all team members into the WIAA website.
2. The coach will print assessment data collection forms for each wrestler being assessed.
3. Athletes will have photo ID with them at the assessment.
4. Certified digital scales will be used for assessments.
5. Each school must provide the appropriate number of support personnel to assist in conducting the Wrestling Weight Management Assessment in a timely manner.
6. Athletes will pass the hydration assessment (Specific Gravity equal to or less than 1.025) prior to body density/fat assessment.
7. Once the assessment begins no weight loss methods may be utilized by the athletes.

8. An athlete maybe re-evaluated for the hydration at any time. Failure of the hydration test does not constitute an assessment.
9. The athlete may not be re-assessed with-in a 24 hour period of the input of the data into the WWWMP website.

The key to the success of the Wrestling Weight management Program will be our ability to standardize the assessment procedures to determine minimal wrestling weight.

RESPONSIBILITIES of SCHOOLS in the MEASUREMENT PROCESS:

1. The school is responsible for having a school district employee (Non-wrestling coach) certified as an approved WIAA Wrestling Weight Management Assessor, or contract an approved WIAA Assessor. The list of approved WIAA Assessors will be available on the WIAA Website.
2. Schools using WIAA Certified Assessor will be required to have available at the time of assessment:
 - a. Data Forms.
 - b. Four adults (teacher, AD, parent, etc...) or student trainers who will:
 1. Assist with measuring body weight
 2. Assist with the recording of data.
 3. Assist with urine specific gravity testing

Assessments shall not be conducted by any active wrestling coach at any level or anyone associated with the wrestling program unless approved by WIAA staff.

COSTS

- A. All costs incurred for initial assessment, re-assessment, and WWWMP are the responsibility of the school or parent.
- B. Charges for Assessment may not exceed \$5.00 per person when schools contract with a WIAA Certified Assessor. Charges for regional testing sites may not exceed \$5.00 per person.

WIAA Certified Assessors are permitted to charge mileage at WIAA adopted mileage rate or a service fee of \$30 or less whenever travel is required to a location at which fewer than six wrestlers are to be assessed on any given date.

Violations

Any athlete who provides false information or falsifies any part of the wrestling weight management process will become immediately ineligible to participate for one calendar year from the date of determination of the infraction.

Any coach (or other individuals associated with the team) who provides false information or falsifies any part of the wrestling weight management process will be guilty of a rules violation and reported to the School Administration and appropriate league.

WEIGH-IN REPORTS:

Dual Match Competition:

Each school will be required to present a copy of their current WIAA Weigh-in Form to the wrestling official and opposing coaches prior to the contest weigh-ins.

Tournament Competition:

For regular season tournaments, each school must provide the tournament manager a copy of their current WIAA weigh-in form. The Tournament Manager will be required to have available and present a copy of each participating schools Alpha Report upon request.

Wrestlers not appearing on the current WIAA weigh-in form will NOT be permitted to compete.

"TRAINING THE ASSESSOR"

I. Training of New Assessors

- A. Schools will nominate potential assessors to the WIAA. Nominated assessors may include physicians, registered nurses, licensed practical nurses, certified athletic trainer, physical therapist, physicians assistant, nutritionist, health educator, exercise physiologist, or other school approved individuals.
- B. Each assessor candidate will be required to submit (or have submitted) a criminal history screening prior to acceptance into the program.
- C. The assessor will submit to training session and annual update education.
- D. The assessor will be subject to a random sample test to substantiate the quality of their measurements.
- E. The new assessor training will consist of working with a WIAA training facilitator, and then complete the online certification process.

II. Re-certification

- A. 2013-2015 assessor recertification will require nomination from a member school and completing the online certification process.

III. Data Collection

- A. The WIAA will provide all reporting forms. Assessors will send all completed Data Collection Forms (including those failing the hydration component) to the WIAA office.
- B. The assessor will conduct all body density and body fat percentage measurements.
- C. The school and assessor will work together/communicate to make sure the refractometer, cups or other approved instruments to conduct the urine specific gravity test or work with the contracted school to be sure appropriate testing supplies will be provided.
- D. The Assessor will input all data into the WIAA website within 48 hours of the assessment.
- E. The Signing Assessor will mail the data collection forms and the team summary form to the WIAA office.