



2024 Series Guide

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Series Events

The 2024 Series is comprised of the events listed below. Use the associated website link for each race to access details and registration. National Championship qualification information is located on page 6.

Texas Draft-Legal Festival Fort Worth, TX * Nationals Qualifier *Registration Opens: January 13, 2024 at 12:00pm ET	https://runsignup.com/Race/TX/FORTWORTH/TexasDraftLegalFestival	April 14, 2024
East Coast Triathlon Festival Innsbrook, Richmond, VA * Nationals Qualifier *Registration Opens: January 20, 2024 at 12:00pm ET	https://livered.org/east-coast-triathlon-festival/	May 5, 2024
Pleasant Prairie Cup RecPlex, Pleasant Prairie, WI * Nationals Qualifier *Registration Opens: February 3, 2024 at 12:00pm ET	https://www.trisignup.com/Race/WI/PleasantPrairie/PleasantPrairieCupTriathlon	June 2, 2024
Jenny Lee Triathlon Cup Brady's Run Park, Beaver Falls, PA * Nationals Qualifier *Registration Opens: February 10, 2024 at 12:00PM ET	https://www.jennyleetri.com	June 14-16, 2024
USAT Youth & Junior Nationals Raccoon River Park, West Des Moines, IA	http://www.flatlandtri.com	July 13-14, 2024

Divisions and Distances

Youth Elite: This division is open to athletes between the ages of 13-15 as of December 31, 2024. Athletes complete a super-sprint triathlon consisting of a 375m swim, 10k bike, and 2.5k run.

Junior Elite: This division is open to athletes between the ages of 16-19 as of December 31, 2024. Athletes complete a sprint triathlon consisting of a 750m swim, 20k bike, and 5k run or a super sprint for Trials/Finals events.

Division	Birth Years	Distances	Format
Youth Elite	2009, 2010, 2011	375m/10k/2.5k	Multi-lap; Draft-Legal
Junior Elite	2005, 2006, 2007, 2008	750m/20k/5k	Multi-lap; Draft-Legal

Registration and Wait Lists

Open Registration: For each Series race, 75 start positions per division will be made available on the Open Registration Date. For events staged in the trials/finals format, 90 start positions for the Junior Elite will be made available on the Open Registration Date. If demand and timeline permit, the trials/finals Race Director may expand the field size to 120 by adding an additional wave. Start positions are claimed first-come, first-served by completing the online race registration provided by the Race Director.

Registration Wait List: Each Race Director will make available a Registration Wait List once all start positions have been claimed via the Open Registration process. This wait list will generate a timestamp as athletes add their names and Race Directors may offer athletes start positions when these become available according to the timestamped order of the list. Names added prior to the date/time of the field size reaching full capacity will be deleted. When notifying a waitlisted athlete of the opportunity to register, the Race Director will provide a deadline to claim the open spot.

No Refund Policy: There will be no refunds for canceled registrations (scratches) for any Series event or the National Championships. To allow for space to open at sold out races and in the spirit of good sportsmanship and fair play among teams, USAT highly encourages prompt notification of scratches to the Race Director of the event and juniors@usatriathlon.org.

Series Participation by Foreign Nationals

USAT welcomes participation in the Series races by representatives of other National Federations if space is available. Priority in registration is given to athletes representing the United States. USAT and the Race Directors reserve the right to request proof of eligibility to represent the United States in competition. Foreign national athletes may earn podium medals and prizes based on their finish position at Series events but are not scored in the USAT Youth & Junior Series or National Rankings.

Athletes must purchase a USAT membership to compete (one-day or annual).

Foreign national athletes cannot earn a qualification spot to the Youth & Junior Nationals but can request a wild card spot. USAT may, at its discretion, offer solidarity invitations to non-U.S. athletes to participate in the Youth and Junior Nationals. Foreign athletes will not be recognized with Nationals podium awards but may receive general recognition for outstanding performances by the race announcer.

Specifically for Juniors who already have raced in World Triathlon events - To be eligible for awards at USAT Nationals, an athlete must be either a U.S. citizen or a U.S. national (visa/green card) having resided in the U.S. for at least three (3) years and have NOT competed in a World Triathlon event under a non-U.S. flag. For example, if an athlete has dual citizenship and competed in a World Triathlon Junior Continental Cup under the Mexican flag, they are not eligible also to compete under the U.S. flag in competition, and thus are ineligible for awards at USA Triathlon Junior Nationals.

Race Number Assignment and Starting Positions

All race numbers are assigned randomly by the Race Director and reviewed by the USAT Official before the race briefing. Race numbers will be posted at the venue prior to packet pick-up. Athletes will be called to the start line by order of assigned race number and then immediately select their starting positions. Once the athlete has chosen their starting position, they may not move from it. Athletes must move straight forward to the water from the start line after hearing the starter's signal.

Mandatory Race Meeting and Competition Jury

A USAT Official will provide a formal briefing on the USAT Multisport Competition Rules at a mandatory Athlete Meeting held one day before each event. At the discretion of the Race Director, in coordination with the USAT Official, this briefing may be conducted virtually. If the briefing is in person, it is important that you plan your trip to the venue so that you can attend this required meeting. The location of the briefing will be posted on the event website.

The USAT Official will provide the names of the Competition Jury and procedures for filing protests during the briefing. All race-specific officiating concerns must be brought to the attention of the USAT Official **at the race venue**. General questions or concerns about the officiating of the Series must be directed to USA Triathlon promptly following the event, however, all protests or questions regarding penalties must be presented onsite with the USAT Official by the athlete.

USAT National Championship Qualification

The Series serves as the pathway to gain the necessary skills and competence for draft-legal racing, and to qualify to compete in the draft-legal Youth Elite and Junior Elite divisions at the 2024 USAT Youth and Junior Nationals. There are only 75 spots per gender in the respective divisions at Nationals, so competition for these spots is steep.

Athletes qualify to compete at National by meeting one of the following criteria at one of these events (the “Qualifiers”):

- a) Finish among the first 3 USA athletes within the top 16 overall at the **2024 Miami Americas Triathlon Junior Championship***;
- b) Finish in the top 18 overall among Junior Elites and top 19 overall among Youth Elites at the **2024 Texas Draft-Legal Festival***;
- c) Finish in the top 18 overall among Junior Elites and top 19 overall among Youth Elites at the **2024 East Coast Triathlon Festival in Richmond***;
- d) Finish in the top 18 overall among Junior Elites and top 19 overall among Youth Elites the **2024 Pleasant Prairie Cup***; or,
- e) Finish in the top 18 in the finals among Junior Elites and top 18 overall among Youth Elites at the **2024 Jenny Lee Triathlon Cup***
- f)

*Excluding athletes already qualified and/or athletes representing other National Federations (including Dual Citizens).

Spots earned are not held indefinitely. USAT will provide a registration deadline in the notification email sent to the email address provided by the athlete at the time of registration for the Qualifier. If registration is not completed by the deadline provided, the spot will be considered forfeited. Unclaimed spots will roll down to the 21st Junior Elite finisher and the 22nd Youth Elite finisher in both male and female divisions (excluding athletes already qualified and/or athletes representing other National Federations) at each Qualifier. **On the 10th day after each qualifier, any unclaimed spots become Wild Card spots.** Athletes are highly advised to use the same email address when registering for each Qualifier and to ensure that it is monitored regularly.

Any spots not claimed per these criteria will be reserved as Wild Card spots. To receive a Wild Card invitation, if the athlete does not have a recent record of accomplishment in U.S. draft-legal racing, they must receive a written nomination attesting to their proficiency in the *Draft-Legal Competencies* listed later in this document from a High Performance Team coach or a member of USAT’s High Performance staff. Wild Card requests are reviewed by USAT High Performance staff on a rolling basis with invitations made accordingly at USAT’s discretion. An athlete receiving a Wild Card invitation will be provided with a registration deadline with the invitation.

Athletes who qualify and claim a spot, but who later decide not to race, are expected to notify USAT High Performance immediately to allow prompt reassignment of the spot. Send the email to .

The results of a Qualifier will count even if the swim is cancelled. Should a Qualifier be cancelled and is not rescheduled to take place at least two weekends prior to Nationals, then the spots may be redistributed to the other Qualifiers, retroactively via roll downs.

Mixed Relay Registration

There are 60 “team spots” available for the Mixed Relay at Nationals, accommodating participation by 240 athletes. **Each team must be comprised of two (2) females and two (2) males.** Athletes must be between 13 and 19 as of December 31st of the competition year and have earned an individual qualification in the Youth Elite or Junior Elite divisions at Nationals.

Registration: USAT will coordinate with the Race Director and the USAT Official to provide a streamlined registration process for the Mixed Relay. Initial registration will consist of High Performance Team coaches entering their team(s) by name (e.g., Team A, Team B, etc.) and paying the entry fee. Prior to race day, HPT coaches will be asked to submit team rosters. All athletes listed on team rosters must have been individual entrants in the Youth Elite and Junior Elite divisions at Nationals. A registration timeline and further instructions will be posted on the event website.

Composite/Foreign Teams: The organization of composite teams is allowed, provided they are associated with an HPT or USAT National Team. The names of associated HPTs must be identifiable in the composite team's name, such as “HPT/HPT Composite 1”. Teams comprised of athletes representing other countries may enter the Mixed Relay at the discretion of the USAT High Performance to further USAT’s solidarity initiatives or enhance the quality of field, however, these teams may not earn a podium award at Nationals.

Injury/Illness Substitutions: Injury or illness substitutions must be delivered on paper to the Race Director or his/her designee immediately after the finish of the final Youth Elite or Junior Elite competition of the day to assure that a change can be made in the timing system. Substitutions will be made at the sole discretion of the Race Director working with the Timer. Substitutes must have competed in the Youth Elite or Junior Elite division of Nationals. Youth Age Group athletes are not eligible.

Numbering: Each mixed relay team will be assigned a random number for the purpose of calling up the first athlete to the start line and rack assignments in transition.

Awards and National Ranking

Series Podium Awards

The top three male and female finishers at each Series race, regardless of nationality, will receive podium medals provided by USA Triathlon. Race Directors may provide supplemental race awards at their discretion.

Series Individual Championship

Series Individual Champions are determined from the results of the five (5) Series races (Ft Worth, Richmond, Pleasant Prairie, Pittsburgh, and West Des Moines), in both the Youth Elite and Junior Elite divisions, based on the points table shown in **Appendix A**. An athlete's **best three (3) scores** will count toward their individual total score.

Any ties for the top three positions in the Series overall will be broken by comparison of head-to-head finishes in Series events. If there are no head-to-head finishes to compare, the athlete who raced the final event – Nationals – and has the highest finish place wins. If neither athlete raced Nationals, the athlete with the lowest total score by adding their best three finish positions (cross country-style scoring) wins. Head-to-head ties at Series events will be broken by the times provided by the timer in the official results or by photographic evidence, if available. Only athletes representing the United States are eligible to score points and be ranked in the Series.

USAT Youth Elite & Junior Elite National Ranking

An athlete's Youth Elite or Junior Elite National Ranking is determined by the sum of up to their **three (3) best scores based** on the Points Table shown on **Appendix B** at USAT-designated Ranked Events in a calendar year. For 2024, Ranked Events include: World Triathlon (WT) Junior World Championship (Malaga); Americas Triathlon Junior Championship (Miami); World Triathlon Junior Continental Cups (worldwide); USAT Junior Nationals (West Des Moines); and USAT Junior Series Events (Ft Worth, Richmond, Pleasant Prairie, Pittsburgh). **For all Series races and the USAT Nationals**, points are awarded based on finish position against U.S. athletes in the field only. For example, if the first U.S. athlete finished 2nd to a Canadian athlete at the Jenny Lee Triathlon Cup, they would be awarded 1000 rankings points. **For all other races**, points are awarded based on actual finish place irrespective of other U.S. athletes, age divisions or other international athletes. For example, if the first U.S. athlete finishes third at the World Triathlon Junior World Championships, they would earn 903 points toward her ranking, not 1000 points.

Only athletes representing the United States will receive a USAT Junior Elite National Ranking. Dual-citizens competing in the Ranked Events must NOT have competed in a World Triathlon event under a non-U.S. flag (in accordance with World Triathlon rules) to be eligible for inclusion in the USAT Junior Elite National Ranking.

USAT Competition Rules

The Series will be officiated according to the most current USAT Multisport Competition Rules. The goal of USAT Officials is to assist Race Directors in facilitating a safe and fair competitive environment for every athlete. Officials will apply the USA Triathlon Multisport Competition Rules together with the USAT Draft Legal Amendments. The USA Triathlon Multisport Rules of Competition can be found at www.usatriathlon.org. Athletes are required to familiarize themselves with the rules prior to arriving at the venue and to observe all applicable rules while at the venue and during competition. Direct your questions about rules enforcement to USAT at

International Competition Rules

Athletes planning to compete in World Triathlon events are advised to familiarize themselves with the World Triathlon Competition Rules, Uniforms Rules, Eligibility Guidelines, medical guidelines, and equipment rules. Your extra attention is called to sections 2.4 Health, 2.7(b) Pre-Race Briefings, 2.8 Uniforms, and 5.2 Equipment. You will find these rules [here](#).

Uniforms

With respect to appropriate race suits and/or team uniforms, athletes have three options: (1) wear a suit/uniform clearly identifying their team affiliation through unique logos and design; (2) wear a Team USA-provided suit/uniform; or (3) wear a neutral, non-logo'd suit compliant with the competition rules. Athletes representing one team should not wear the uniform of another team (except USAT National Team, if so desired) or that of individual sponsor (Note: an exception may be allowed by the USAT Official in the event of a demonstrable equipment malfunction such as a broken zipper or tear.) Per USAT Multisport Competition Rules and the USAT Draft Legal Amendments, the uniform must cover the whole torso front. The back may be uncovered from the waist up. Sleeves are not allowed, except for reasons of religion. USAT requests that athletes representing another National Federation wear a uniform with their internationally recognized national designation.

SafeSport

USA Triathlon participates in the U.S. Center for SafeSport program. [SafeSport](#) addresses the issues of child sexual abuse, bullying, hazing, harassment, and emotional, physical, and sexual abuse. These issues extend to online (cyber) behavior. All participants in the Series – athletes, coaches, parents, volunteers, and event organizers – are encouraged to take advantage of the free SafeSport training and resources offered by the Center. All athletes and coaches should review [USAT's SafeSport policies](#) and reporting procedures prior to the start of the season. Additional compliance requirements are expected of athletes participating on USAT National Teams.

USADA

USA Triathlon expects strict adherence by athletes participating in the Series with all anti-doping protocols. Participants in the Series may be subject to in-competition drug testing. Drug testing is routine at international junior competitions.

Athletes, coaches, and parents are encouraged to avail themselves of the resources provided by the U.S. Anti Doping Agency (<http://www.usada.org/>) and to clear all medications or supplements in advance of competition.

High Performance Teams (HPT)

USAT-designated High Performance Teams are the backbone of our development of athletes across the country . In addition to providing in-person and remote coaching, HPTs are a conduit for information and advice . Current Roster: <https://www.teamusa.org/USA-Triathlon/Elite/Development/Teams>

High Performance Team Recognition

A performance-based recognition program will be announced prior to the first Series event.

Draft-Legal Competencies

Athletes seeking to compete in the Series should possess the following minimum knowledge and skills.

Knowledge Competencies: An athlete must be able to identify or describe –

- the multi-lap, draft-legal format, and race distances;
- the type of swim start and the start commands;
- the flow-through style transition and proper set-up of transition space;
- the rules applicable to draft-legal racing, including uniform and bicycle set-up;
- mount/dismount line;
- the requirement to attend the pre-race briefing and morning-of check-in;
- proper application of race number decals;
- age and skill-appropriate racing distances for youth and juniors;
- location of athlete development information on USAT website;
- USAT Athlete Code of Conduct;
- where to find USOPC SafeSport information; and,
- where to find anti-doping information (USADA).

Skill Competencies: An athlete must be able to –

- take his/her starting position on a mass start line without hesitation;
- perform a dive start from a pontoon (pool's edge) on starter's command;
- perform running beach entry/exit;
- set up his/her transition area and demonstrate correct use of rack and basket;
- use elastic bands to secure cycling shoes;
- locate the mount/dismount lines/zones;
- handle bike while running at speed;
- perform flying mount and dismount (i.e., without stopping) and enter shoes;
- ride in single-file paceline and two and three-abreast;
- rotate positions within a paceline in race setting;
- use hand/signals to communicate within a paceline;
- use proper hand positions on the handlebars;
- apply proper cornering techniques at speed in a group;
- apply seated and standing climbing techniques;
- remove, drink, and replace water bottle while riding in a paceline;
- place bike on transition rack during T2;
- monitor the penalty board and serve penalties in the penalty box or transition; and,
- demonstrate competency in draft-legal rules while performing these skills.

Frequently Asked Questions

What is a Youth Elite and Junior Elite race? Youth Elite and Junior Elite races are USAT-designated, draft-legal triathlons organized as part of a Series culminating in a Nationals exclusively for athletes between 13 and 19 years of age. Each year, USAT designates a small number of these events to serve as national-level racing opportunities. Use of the term “elite” is meant to differentiate the format and rules of competition from non-drafting, age group racing and to signify the similarities with international draft-legal competition, not necessarily to indicate the performance-level of all participants. The purpose of these events is to prepare athletes for international draft-legal competition and possibly to enter the elite ranks as an adult.

What does “draft-legal” mean? During a draft-legal triathlon, athletes may ride their bike directly behind or close to other athletes to save energy or join in team tactics. This is often referred to as riding in a “pack” or “peloton.” Drafting in this format of triathlon adds another dimension to race tactics and skill.

What is the purpose of these types of events? Because the Junior, Collegiate (FISU/NCAA), Under-23, Armed Forces championships, Youth Olympic Games and World Triathlon Elite competitions all are draft-legal triathlons, Series races provide America’s young athletes an opportunity to develop the skills and experience necessary for international-caliber racing as they progress through the development pipeline. They also serve as a stepping-stone toward becoming an elite/professional triathlete competing in the World Triathlon Series or even the Olympic Games.

What are the race distances and format? A Youth Elite race is comprised of a 375 meter swim, a 10 kilometer bike, and a 2.5 kilometer run. Junior Elite races are comprised of a 750 meter swim, 20 kilometer bike, and a 5 kilometer run. The swim starts from either a platform (dive from a floating pontoon, pier, or riverwalk) or a beach start. An in-water start may be used where no other suitable option is available. The bike course is typically multi-lap (e.g., 4 x 5k). The run is also multi-lap (e.g., 2 x 2.5k). As with any triathlon, distances may vary slightly from venue to venue. Some events may use a trials/finals format for the Junior Elites with varied distances and field sizes.

Why are these races so short? I thought triathlon was an endurance event? The distances for Series mirror that of the World Triathlon Junior World Championship and the Youth Olympic Games. Since Series races combine the usual elements of a sprint triathlon with the dynamics and required skill level of draft-legal racing, reasonably short distances are most advisable. At age 13 or 14, an athlete is transitioning from the very short Youth distance races to the dynamics of draft-legal racing. Physiologically, these athletes are in a very dynamic stage of development where coordination, balance and an athlete’s center of gravity are changing rapidly. The Youth events provide a safe, age-appropriate distance upon which to build a foundation for success in the junior ranks.

How old must I be to compete? For Youth, eligible racing ages are 13, 14, or 15 years old as of December 31st of the competition year. For Junior, eligible racing ages are 16, 17, 18, or 19 years old as of December 31st of the competition year.

May I “race up” a division? No. Athletes must compete according to their age as of December 31st of the competition year. For example, a 12 year old who does not turn 13 by December 31st may not compete in a Youth Elite division. Likewise, a 15 year old who does not turn 16 by December 31st may not compete in the Junior Elite division. In the same spirit, an older athlete may not “race down” a division.

Do I need to be on a HPT to compete? No. While there are many development teams that focus on preparing Youth and Junior athletes, being a member of such a team is not required to compete at a Series race.

How do I register for these events? Registration is handled separately by each race director. Because some Series races are held with other age group races, be sure you register for the Youth Elite (13-15) or Junior Elite (16-19) event. Use the website links at the front of this document to locate registration instructions for each event.

Do I need to be a USAT member to compete? Yes. Because the Series is a pathway to selection for international championship teams, USAT's High Performance Department expects all participants in the series to be annual members. Junior athletes may hold a USAT Elite License and still compete in the Series.

What type of bike do I need to participate? For Series races, you must ride a "traditional road bike," as opposed to a "tri bike," "time trial bike," or "mountain bike." Please review the USAT Multisport Competition Rules and the Draft Legal Events Amendments for specific guidance on equipment.

Does that mean I need to own two bikes? Certainly not. A few minor modifications to your "traditional road bike" will make it race-ready for any non-drafting triathlon. A road bike will provide the versatility to do both styles of triathlon at the lowest cost.

Can I use aerobars on my bike? No. No aero bars of any style are allowed during draft-legal races.

What is the "no bare torso" rule? An athlete must have his/her torso (upper body) covered for the full duration of the race...from swim start to run finish. Please review the competition rules section for specific guidance on race uniforms.

Should I put my name on my race suit? The Series is a talent identification program for USAT. The best way for our talent scouts to learn who you are while you are racing is to put your name on the front and back of your suit. Please review the competition rules section for specific guidance on race uniforms.

Why is there a mandatory pre-race meeting? The mandatory pre-race meeting is necessary to inform athletes of the competition rules and course specifics. This meeting may be held in-person or virtually, at the discretion of the race director. Given these events' developmental nature, these meetings are a critical part of the educational process.

How long are these mandatory meetings? Approximately 45 minutes.

Are wetsuits allowed? The use of wetsuits depends on the water temperature. Please review the competition rules section for specific guidance on the use of wetsuits.

Are three-person relay teams allowed to compete? No. All participants must do the swim, bike, and run.

May parents assist their children in the transition area? No. Parents and coaches are never allowed inside the transition area before, during, or after the event.

Where can I watch videos of this style of racing? The World offers a collection of recent event videos on its Multimedia page at www.triathlon.org.

Where can I get coaching for this type of racing? One of the best places to learn the art of draft-legal triathlon is by joining an HPT or working with a skilled USAT Certified Coach.

Links

World Triathlon (WT)

www.triathlon.org

USA Triathlon Youth & Junior Development

<https://www.teamusa.org/USA-Triathlon/Elite/Development>

USA Triathlon High School Program

<https://www.teamusa.org/USA-Triathlon/About/Multisport/High-School-Program>

USA Triathlon Collegiate Clubs

<https://www.teamusa.org/USA-Triathlon/USAT-for-Me/Clubs/Collegiate-Clubs>

Womens NCAA Triathlon

<https://www.teamusa.org/usa-triathlon/about/multisport/ncaa-triathlon>

APPEXDIX A

Points Table for Calculating Junior Series Standings

Place	Nationals	Jr Series	Place	Nationals	Jr Series
1	1250	1000	38	187	150
2	1188	950	39	178	142
3	1128	903	40	169	135
4	1072	857	41	161	129
5	1018	815	42	153	122
6	967	774	43	145	116
7	919	735	44	138	110
8	873	698	45	131	105
9	829	663	46	124	99
10	788	630	47	118	94
11	748	599	48	112	90
12	711	569	49	107	85
13	675	540	50	101	81
14	642	513	51	96	77
15	610	488	52	91	73
16	579	463	53	87	69
17	550	440	54	82	66
18	523	418	55	78	63
19	497	397	56	74	60
20	472	377	57	71	57
21	448	358	58	67	54
22	426	341	59	64	51
23	404	324	60	61	48
24	384	307	61	58	46
25	365	292	62	55	44
26	347	277	63	52	42
27	329	264	64	49	39
28	313	250	65	47	38
29	297	238	66	45	36
30	282	226	67	42	34
31	268	215	68	40	32
32	255	204	69	38	31
33	242	194	70	36	29
34	230	184	71	34	28
35	219	175	72	33	26
36	208	166	73	31	25
37	197	158	74	30	24
			75	28	22

5% drop off

APPENDIX B

Youth Elite/Junior Elite National Rankings Points Table

Finish Place	World Championship/ YOG	Continental Championship/ YOG Qualifier	Junior Nationals	Junior Series Race/ WT Junior Continental Cup
1	1000	750	500	400
2	925	694	463	370
3	856	642	428	342
4	791	594	396	317
5	732	549	366	293
6	677	508	339	271
7	626	470	313	251
8	579	435	290	232
9	536	402	268	214
10	496	372	248	198
11	459	344	229	183
12	424	318	212	170
13	392	294	196	157
14	363	272	181	145
15	336	252	168	134
16	311	233	155	124
17	287	215	144	115
18	266	199	133	106
19	246	184	123	98

20	227	171	114	91
21	210	158	105	84
22	195	146	97	78
23	180	135	90	72
24	166	125	83	68
25	154	116	77	62
26	142	107	71	57
27	132	99	66	53
28	122	92	61	49
29	113	85	56	45
30	105	79	52	42
31	97	73		
32	89	68		
33	83	63		
34	77	58		
35	71	54		

7.5% drop off