



# TIER 1 HOCKEY FEDERATION

# **KRACH RATINGS**

## **WEEK ENDING ON DECEMBER 11TH**

### **WHAT IS IT?**

KRACH is a team's won/loss ratio multiplied by strength of schedule

### **WHY DO WE USE KRACH RATHER THAN POINTS?**

1. THF teams play an unbalanced schedule
  - a. Teams do not play all the teams in their respective division
  - b. Teams that play a more difficult schedule would be punished in the standings based on points
2. The THF offers 2 season structures, full season and partial season.
  - a. Teams in an age division/classification will not play an equal number of games.
  - b. Using KRACH rather than points earned will balance this so teams playing fewer games are fairly measured within their division

DISCLAIMER: KRACH Ratings will fluctuate greatly early in the season. Some of the extreme numbers we expect to normalize as the season progresses.

1. At the beginning of the season, all teams will be in 1 division for your respective level
2. While there will be no subdivisions (eg. Premier & Elite), teams will be scheduled against teams of a similar level with the intent of making as many games as competitive as possible.
3. At the beginning of the season, standings will be sorted by number of games played.
4. In November, we will begin sorting the rankings as determined by KRACH ratings.
  - a. Rankings will be updated monthly as determined by KRACH.
5. In December, the division may be divided into subdivisions based on KRACH ratings.
  - a. Playoff qualification will be determined by each team's KRACH rating.
  - b. If there are 9 or less teams, a minimum of 4 teams will qualify for for the Playoffs (6 if 10 or more teams)

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**10U MAJOR**

<b>PAL JR. ISLANDERS</b>	3513
<b>CT JR. RANGERS ELITE</b>	1989
<b>WOODBRIIDGE WOLFPACK</b>	1004
<b>JERSEY HITMEN</b>	714
<b>REVOLUTION ELITE</b>	532
<b>WESTCHESTER EXPRESS</b>	397
<b>NY AVIATORS</b>	242
<b>MERCER CHIEFS</b>	130
<b>UTICA JR. COMETS</b>	68
<b>ROCKETS HOCKEY CLUB</b>	62
<b>HARTFORD JR. WOLFPACK</b>	13

**10U MINOR**

<b>WOODBRIIDGE WOLFPACK</b>	2226
<b>JERSEY HITMEN</b>	2208
<b>REVOLUTION ELITE</b>	766
<b>ROCKETS HOCKEY CLUB</b>	696
<b>WESTCHESTER EXPRESS</b>	604
<b>UTICA JR. COMETS</b>	368
<b>CP DYNAMO</b>	261
<b>NY AVIATORS</b>	186
<b>PAL JR. ISLANDERS</b>	107
<b>CT JR. RANGERS</b>	79
<b>HARTFORD JR. WOLFPACK</b>	20

**12U MAJOR**

<b>ROCKETS HOCKEY CLUB</b>	2587
<b>CT JR. RANGERS</b>	838
<b>WOODBRIIDGE WOLFPACK</b>	736
<b>ESMARK STARS</b>	716
<b>REVOLUTION ELITE</b>	715
<b>CP DYNAMO</b>	703
<b>JERSEY HITMEN</b>	503
<b>TEAM MARYLAND</b>	323
<b>NY AVIATORS</b>	308
<b>HARTFORD JR. WOLFPACK</b>	258
<b>UTICA JR. COMETS</b>	206
<b>PAL JR. ISLANDERS</b>	141
<b>PHILADELPHIA FLYERS ELITE</b>	133
<b>WESTCHESTER EXPRESS</b>	90
<b>MERCER CHIEFS</b>	82

**12U MINOR**

<b>MERCER CHIEFS</b>	3643
<b>UTICA JR. COMETS</b>	921
<b>CT JR. RANGERS ELITE</b>	889
<b>PAL JR. ISLANDERS</b>	776
<b>WOODBRIIDGE WOLFPACK</b>	772
<b>JERSEY HITMEN</b>	638
<b>NEW JERSEY JETS</b>	523
<b>NY AVIATORS</b>	204
<b>CP DYNAMO</b>	177
<b>TEAM MARYLAND</b>	79
<b>ESMARK STARS</b>	75
<b>WESTCHESTER EXPRESS</b>	69
<b>REVOLUTION ELITE</b>	13
<b>HARTFORD JR. WOLFPACK</b>	7

**14U MAJOR**

<b>PAL JR. ISLANDERS</b>	1559
<b>ROCKETS HOCKEY CLUB</b>	1113
<b>NY AVIATORS</b>	1001
<b>HARTFORD JR. WOLFPACK JOSH</b>	931
<b>MERCER CHIEFS PREMIER</b>	664
<b>JERSEY HITMEN</b>	559
<b>REVOLUTION ELITE</b>	505
<b>UTICA JR. COMETS</b>	450
<b>PHILADELPHIA FLYERS ELITE</b>	417
<b>ESMARK STARS</b>	372
<b>CT JR. RANGERS ELITE</b>	325
<b>NEW JERSEY JETS</b>	319
<b>HARTFORD JR. WOLFPACK INDEPENDENT</b>	233
<b>TEAM MARYLAND</b>	223
<b>WESTCHESTER EXPRESS NOLAN</b>	186
<b>WESTCHESTER EXPRESS THORNTON</b>	74
<b>MERCER CHIEFS ELITE</b>	71

**14U MINOR**

<b>PAL JR. ISLANDERS</b>	3007
<b>ROCKETS HOCKEY CLUB</b>	1199
<b>CP DYNAMO</b>	1106
<b>WESTCHESTER EXPRESS</b>	807
<b>CT JR. RANGERS ELITE</b>	783
<b>TEAM MARYLAND</b>	635
<b>HARTFORD JR. WOLFPACK ELITE</b>	447
<b>NY AVIATORS</b>	436
<b>ESMARK STARS</b>	206
<b>REVOLUTION ELITE</b>	189
<b>UTICA JR. COMETS</b>	151
<b>MERCER CHIEFS</b>	123
<b>WOODBRIIDGE WOLFPACK</b>	98
<b>JERSEY HITMEN</b>	47
<b>HARTFORD JR. WOLFPACK RED</b>	9

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**15U PURE**

<b>ROCKETS HOCKEY CLUB</b>	1440
<b>ESMARK STARS</b>	1417
<b>ROCKETS HOCKEY CLUB ELITE</b>	1122
<b>NEW JERSEY JETS</b>	1109
<b>TEAM MARYLAND</b>	898
<b>REVOLUTION ELITE</b>	721
<b>PHILADELPHIA FLYERS ELITE</b>	716
<b>JERSEY HITMEN</b>	674
<b>MERCER CHIEFS</b>	373
<b>NY AVIATORS</b>	345
<b>PAL JR. ISLANDERS</b>	283
<b>WESTCHESTER EXPRESS</b>	187
<b>WOODBRIIDGE WOLFPACK</b>	113
<b>ATLANTIC COAST ACADEMY</b>	85
<b>UTICA JR. COMETS</b>	75
<b>CT JR. RANGERS</b>	47

**16U**

<b>ROCKETS HOCKEY CLUB</b>	4764
<b>REVOLUTION ELITE</b>	965
<b>ATLANTIC COAST ACADEMY 16U</b>	782
<b>JERSEY HITMEN</b>	667
<b>ESMARK STARS</b>	534
<b>WESTCHESTER EXPRESS</b>	469
<b>PAL JR. ISLANDERS</b>	450
<b>CP DYNAMO</b>	225
<b>MERCER CHIEFS PREMIER</b>	170
<b>ROCKETS HOCKEY CLUB ELITE</b>	144
<b>NEW JERSEY JETS</b>	132
<b>NY AVIATORS</b>	120
<b>SKIPJACKS HOCKEY ACADEMY</b>	100
<b>TEAM MARYLAND</b>	91
<b>POTOMAC PATRIOTS</b>	82
<b>CT JR. RANGERS PREMIER</b>	76
<b>MERCER CHIEFS ELITE</b>	19
<b>CT JR. RANGERS ELITE</b>	9

**18U**

<b>ESMARK STARS</b>	1816
<b>ROCKETS HOCKEY CLUB</b>	1303
<b>MERCER CHIEFS PREMIER</b>	971
<b>JERSEY HITMEN</b>	815
<b>PAL JR. ISLANDERS</b>	809
<b>NY AVIATORS</b>	696
<b>PHILADELPHIA FLYERS ELITE PREP</b>	500
<b>ROCKETS HOCKEY CLUB ELITE</b>	454
<b>TEAM MARYLAND</b>	447
<b>SKIPJACKS HOCKEY ACADEMY</b>	345
<b>NJ 875</b>	319
<b>CP DYNAMO</b>	318
<b>WESTCHESTER EXPRESS</b>	255
<b>PHILADELPHIA FLYERS ELITE</b>	216
<b>UTICA JR. COMETS</b>	120
<b>MERCER CHIEFS ELITE</b>	104



# TIER 1 HOCKEY FEDERATION

## DIVISION STRUCTURE AND PLAYOFF ELIGIBILITY

**Intent:** The goal of the Tier 1 Hockey Federation is to create competitive balance for all of our teams while giving as many teams as possible a chance to play for a championship at the end of the season.

### What you should expect:

1. At the beginning of the season, all teams will be in 1 division for your respective level
2. While there will be no subdivisions (eg. Premier & Elite), teams will be scheduled against teams of a similar level with the intent of making as many games as competitive as possible.
3. At the beginning of the season, standings will be sorted by number of games played.
4. In November, we will begin sorting the rankings as determined by KRACH ratings.
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### KRACH

**What is it?** - KRACH is short for "Ken's Rating for American College Hockey." Ken is Ken Butler, a statistician, and the mathematical model he used is known as the Bradley-Terry Rating System.

1. The KRACH rating system is an attempt to combine the performance of each team with the strength of the opposition against which that performance was achieved, and to summarize the result as one number, a "rating", for each team. The higher the rating, the better the team.
2. KRACH accounts for strength-of-schedule (SOS) as it ranks the teams.
3. KRACH is calculated purely from the results(win/loss/tie) and does not use goals scored or goal differential like myhockeyrankings.
4. Overtime wins count as wins.

**Why we use it rather than points?** - KRACH ratings are used instead of traditional points for the following reason:

1. Teams play an unbalanced schedule, teams will not play all the teams in teams' age division
  - a. Teams that play a more difficult schedule would be unfairly punished in the traditional points-based standings
  - b. KRACH does not put greater emphasis on blowing out teams like myhockeyrankings
2. The THF offers 2 season structures, full-season and partial season. Teams in an age division/classification will not play an equal number of games
  - a. Using KRACH rather than points earned will allow for fair rankings such that teams playing fewer games are fairly measured within their division

### FAQs:

1. **Why not offer subdivisions from the beginning?** - Simply put, THF lets the on-ice performance determine the subdivisions. We do not want to pre-determine divisions before the season starts.
2. **How will the schedule be determined if I am not playing every team?** - Teams' scheduling matrix is determined by 4 factors:
  - a. Historical National Rankings
  - b. Geography
  - c. Organizational assessment of team's competitive level
  - d. Parity Results and advanced analytics of performance