



# TIER 1 HOCKEY FEDERATION

# **KRACH RATINGS**

## **WEEK ENDING ON JANUARY 8TH**

### **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>	3629	Super 6*
<b>CT JR. RANGERS ELITE</b>	2204	Super 6*
<b>WOODBRIIDGE WOLFPACK</b>	931	Super 6*
<b>JERSEY HITMEN</b>	694	Super 6*
<b>REVOLUTION ELITE</b>	528	Super 6*
<b>WESTCHESTER EXPRESS</b>	343	Super 6*
<b>NY AVIATORS</b>	177	Frozen 5*
<b>MERCER CHIEFS</b>	108	Frozen 5*
<b>UTICA JR. COMETS</b>	57	Frozen 5*
<b>ROCKETS HOCKEY CLUB</b>	45	Frozen 5*
<b>HARTFORD JR. WOLFPACK</b>	10	Frozen 5*

\*ALL SUPER 6 AND FROZEN 5 QUALIFY FOR PLAYOFFS

### 12U MAJOR

<b>ROCKETS HOCKEY CLUB</b>	1409	Super 6*
<b>REVOLUTION ELITE</b>	872	Super 6*
<b>ESMARK STARS</b>	844	Super 6*
<b>WOODBRIIDGE WOLFPACK</b>	746	Super 6*
<b>CT JR. RANGERS</b>	650	Super 6*
<b>JERSEY HITMEN</b>	587	Super 6*
<b>CP DYNAMO</b>	560	Frozen 4*
<b>TEAM MARYLAND</b>	318	Frozen 4*
<b>HARTFORD JR. WOLFPACK</b>	297	Frozen 4*
<b>NY AVIATORS</b>	191	Frozen 4*
<b>UTICA JR. COMETS</b>	163	Frozen 4
<b>PAL JR. ISLANDERS</b>	134	Frozen 4
<b>PHILADELPHIA FLYERS ELITE</b>	101	Frozen 4
<b>WESTCHESTER EXPRESS</b>	76	Frozen 4
<b>MERCER CHIEFS</b>	67	Frozen 4

\*ALL SUPER 6 AND TOP 4 FROZEN 4 QUALIFY FOR PLAYOFFS

### 14U MAJOR

<b>ROCKETS HOCKEY CLUB</b>	1770	Super 6*
<b>PAL JR. ISLANDERS</b>	1295	Super 6*
<b>MERCER CHIEFS PREMIER</b>	611	Super 6*
<b>NY AVIATORS</b>	586	Super 6*
<b>PHILADELPHIA FLYERS ELITE</b>	547	Super 6*
<b>REVOLUTION ELITE</b>	516	Super 6*
<b>JERSEY HITMEN</b>	497	Frozen 4*
<b>UTICA JR. COMETS</b>	324	Frozen 4*
<b>NEW JERSEY JETS</b>	285	Frozen 4*
<b>TEAM MARYLAND</b>	282	Frozen 4*
<b>CT JR. RANGERS ELITE</b>	237	Frozen 4
<b>CP DYNAMO</b>	183	Frozen 4
<b>WESTCHESTER EXPRESS NOLAN</b>	181	Frozen 4
<b>HARTFORD JR. WOLFPACK INDEPENDENT</b>	179	Frozen 4
<b>ESMARK STARS</b>	174	Frozen 4
<b>WESTCHESTER EXPRESS THORNTON</b>	120	Frozen 4
<b>MERCER CHIEFS ELITE</b>	48	Frozen 4

\*ALL SUPER 6 AND TOP 4 FROZEN 4 QUALIFY FOR PLAYOFFS

### 10U MINOR

<b>JERSEY HITMEN</b>	3254	Super 6*
<b>WOODBRIIDGE WOLFPACK</b>	1958	Super 6*
<b>REVOLUTION ELITE</b>	564	Super 6*
<b>ROCKETS HOCKEY CLUB</b>	450	Super 6*
<b>WESTCHESTER EXPRESS</b>	443	Super 6*
<b>UTICA JR. COMETS</b>	296	Super 6*
<b>CP DYNAMO</b>	237	Frozen 5*
<b>NY AVIATORS</b>	139	Frozen 5*
<b>PAL JR. ISLANDERS</b>	93	Frozen 5*
<b>CT JR. RANGERS</b>	51	Frozen 5*
<b>HARTFORD JR. WOLFPACK</b>	11	Frozen 5*

\*ALL SUPER 6 AND FROZEN 5 QUALIFY FOR PLAYOFFS

### 12U MINOR

<b>MERCER CHIEFS</b>	3313	Super 6*
<b>WOODBRIIDGE WOLFPACK</b>	1246	Super 6*
<b>UTICA JR. COMETS</b>	872	Super 6*
<b>CT JR. RANGERS ELITE</b>	827	Super 6*
<b>PAL JR. ISLANDERS</b>	604	Super 6*
<b>JERSEY HITMEN</b>	555	Super 6*
<b>NEW JERSEY JETS</b>	502	Frozen 4*
<b>NY AVIATORS</b>	254	Frozen 4*
<b>CP DYNAMO</b>	194	Frozen 4*
<b>TEAM MARYLAND</b>	98	Frozen 4*
<b>ESMARK STARS</b>	73	Frozen 4
<b>WESTCHESTER EXPRESS</b>	65	Frozen 4
<b>REVOLUTION ELITE</b>	12	Frozen 4
<b>HARTFORD JR. WOLFPACK</b>	6	Frozen 4

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### 14U MINOR

<b>PAL JR. ISLANDERS</b>	3096	Super 6*
<b>ROCKETS HOCKEY CLUB</b>	1374	Super 6*
<b>CT JR. RANGERS ELITE</b>	876	Super 6*
<b>CP DYNAMO</b>	853	Super 6*
<b>WESTCHESTER EXPRESS</b>	774	Super 6*
<b>TEAM MARYLAND</b>	660	Super 6*
<b>NY AVIATORS</b>	340	Frozen 4*
<b>ESMARK STARS</b>	200	Frozen 4*
<b>REVOLUTION ELITE</b>	173	Frozen 4*
<b>UTICA JR. COMETS</b>	160	Frozen 4*
<b>MERCER CHIEFS</b>	107	Frozen 4
<b>WOODBRIIDGE WOLFPACK</b>	70	Frozen 4
<b>JERSEY HITMEN</b>	40	Frozen 4
<b>HARTFORD JR. WOLFPACK RED</b>	5	Frozen 4

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**15U PURE**

ROCKETS HOCKEY CLUB	1709	Super 6*
ROCKETS HOCKEY CLUB ELITE	1196	Super 6*
ESMARK STARS	1166	Super 6*
TEAM MARYLAND	913	Super 6*
PHILADELPHIA FLYERS ELITE	739	Super 6*
NEW JERSEY JETS	694	Super 6*
REVOLUTION ELITE	681	Frozen 4*
JERSEY HITMEN	560	Frozen 4*
MERCER CHIEFS	403	Frozen 4*
NY AVIATORS	270	Frozen 4*
PAL JR. ISLANDERS	263	Frozen 4
WESTCHESTER EXPRESS	169	Frozen 4
WOODBRIIDGE WOLFPACK	159	Frozen 4
ATLANTIC COAST ACADEMY	107	Frozen 4
UTICA JR. COMETS	38	Frozen 4
CT JR. RANGERS	32	Frozen 4

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**16U**

ROCKETS HOCKEY CLUB	4698	Super 6*
REVOLUTION ELITE	900	Super 6*
ATLANTIC COAST ACADEMY 16U	833	Super 6*
JERSEY HITMEN	701	Super 6*
ESMARK STARS	519	Super 6*
PAL JR. ISLANDERS	493	Super 6*
WESTCHESTER EXPRESS	369	Frozen 4*
CP DYNAMO	200	Frozen 4*
MERCER CHIEFS PREMIER	137	Frozen 4*
SKIPJACKS HOCKEY ACADEMY	126	Frozen 4*
ROCKETS HOCKEY CLUB ELITE	112	Frozen 4
NY AVIATORS	105	Frozen 4
NEW JERSEY JETS	87	Frozen 4
POTOMAC PATRIOTS	85	Frozen 4
TEAM MARYLAND	84	Frozen 4
CT JR. RANGERS PREMIER	60	Frozen 4
MERCER CHIEFS ELITE	18	Frozen 4
CT JR. RANGERS ELITE	4	Frozen 4

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**18U**

ESMARK STARS	1830	Super 6*
ROCKETS HOCKEY CLUB	1327	Super 6*
JERSEY HITMEN	915	Super 6*
MERCER CHIEFS PREMIER	879	Super 6*
PAL JR. ISLANDERS	776	Super 6*
NY AVIATORS	636	Super 6*
SKIPJACKS HOCKEY ACADEMY	589	Frozen 4*
PHILADELPHIA FLYERS ELITE PREP	463	Frozen 4*
TEAM MARYLAND	461	Frozen 4*
ROCKETS HOCKEY CLUB ELITE	339	Frozen 4*
NJ 875	338	Frozen 4
WESTCHESTER EXPRESS	266	Frozen 4
PHILADELPHIA FLYERS ELITE	256	Frozen 4
CP DYNAMO	213	Frozen 4
UTICA JR. COMETS	119	Frozen 4
MERCER CHIEFS ELITE	94	Frozen 4

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# 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.
  - 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)

### 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