



TIER 1 HOCKEY FEDERATION

KRACH RATINGS

WEEK ENDING ON DECEMBER 4TH

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

PAL JR. ISLANDERS	3506
CT JR. RANGERS ELITE	1538
WOODBRIIDGE WOLFPACK	1272
JERSEY HITMEN	738
REVOLUTION ELITE	528
WESTCHESTER EXPRESS	424
NY AVIATORS	210
MERCER CHIEFS	154
ROCKETS HOCKEY CLUB	77
UTICA JR. COMETS	71
HARTFORD JR. WOLFPACK	15

10U MINOR

JERSEY HITMEN	2167
WOODBRIIDGE WOLFPACK	2151
REVOLUTION ELITE	687
ROCKETS HOCKEY CLUB	685
WESTCHESTER EXPRESS	540
UTICA JR. COMETS	429
CP DYNAMO	264
NY AVIATORS	235
PAL JR. ISLANDERS	120
CT JR. RANGERS	74
HARTFORD JR. WOLFPACK	38

12U MAJOR

ROCKETS HOCKEY CLUB	2747
CT JR. RANGERS	947
ESMARK STARS	752
CP DYNAMO	719
REVOLUTION ELITE	702
WOODBRIIDGE WOLFPACK	621
JERSEY HITMEN	512
TEAM MARYLAND	313
NY AVIATORS	295
HARTFORD JR. WOLFPACK	220
UTICA JR. COMETS	202
PAL JR. ISLANDERS	136
PHILADELPHIA FLYERS ELITE	115
WESTCHESTER EXPRESS	83
MERCER CHIEFS	82

12U MINOR

MERCER CHIEFS	3609
UTICA JR. COMETS	941
CT JR. RANGERS ELITE	874
PAL JR. ISLANDERS	762
WOODBRIIDGE WOLFPACK	731
JERSEY HITMEN	621
NEW JERSEY JETS	538
NY AVIATORS	233
CP DYNAMO	170
ESMARK STARS	110
WESTCHESTER EXPRESS	103
TEAM MARYLAND	47
REVOLUTION ELITE	16
HARTFORD JR. WOLFPACK	8

14U MAJOR

PAL JR. ISLANDERS	1604
ROCKETS HOCKEY CLUB	1113
NY AVIATORS	988
HARTFORD JR. WOLFPACK JOSH	931
REVOLUTION ELITE	768
MERCER CHIEFS PREMIER	633
UTICA JR. COMETS	444
PHILADELPHIA FLYERS ELITE	422
JERSEY HITMEN	399
CT JR. RANGERS ELITE	387
WESTCHESTER EXPRESS NOLAN	368
NEW JERSEY JETS	320
HARTFORD JR. WOLFPACK INDEPENDENT	226
TEAM MARYLAND	165
ESMARK STARS	103
WESTCHESTER EXPRESS THORNTON	82
MERCER CHIEFS ELITE	72
CT JR. RANGERS T1	27

14U MINOR

PAL JR. ISLANDERS	3028
ROCKETS HOCKEY CLUB	1189
CP DYNAMO	1163
WESTCHESTER EXPRESS	821
CT JR. RANGERS ELITE	791
TEAM MARYLAND	636
HARTFORD JR. WOLFPACK ELITE	451
NY AVIATORS	347
ESMARK STARS	210
REVOLUTION ELITE	187
MERCER CHIEFS	170
UTICA JR. COMETS	141
WOODBRIIDGE WOLFPACK	69
JERSEY HITMEN	49
HARTFORD JR. WOLFPACK RED	9

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15U PURE

ROCKETS HOCKEY CLUB ELITE	1490
ROCKETS HOCKEY CLUB	1392
ESMARK STARS	1361
NEW JERSEY JETS	1136
TEAM MARYLAND	869
PHILADELPHIA FLYERS ELITE	691
JERSEY HITMEN	643
REVOLUTION ELITE	543
NY AVIATORS	372
MERCER CHIEFS	357
PAL JR. ISLANDERS	269
WESTCHESTER EXPRESS	173
WOODBRIIDGE WOLFPACK	90
ATLANTIC COAST ACADEMY	80
UTICA JR. COMETS	78
CT JR. RANGERS	69

16U

ROCKETS HOCKEY CLUB	4624
REVOLUTION ELITE	1188
ATLANTIC COAST ACADEMY 16U	744
JERSEY HITMEN	670
ESMARK STARS	516
PAL JR. ISLANDERS	440
WESTCHESTER EXPRESS	413
CP DYNAMO	221
MERCER CHIEFS PREMIER	182
ROCKETS HOCKEY CLUB ELITE	155
NEW JERSEY JETS	146
NY AVIATORS	122
SKIPJACKS HOCKEY ACADEMY	105
POTOMAC PATRIOTS	87
CT JR. RANGERS PREMIER	81
TEAM MARYLAND	74
MERCER CHIEFS ELITE	20
CT JR. RANGERS ELITE	9

18U

ESMARK STARS	1761
ROCKETS HOCKEY CLUB	1272
MERCER CHIEFS PREMIER	903
JERSEY HITMEN	818
PAL JR. ISLANDERS	674
NY AVIATORS	650
ROCKETS HOCKEY CLUB ELITE	634
PHILADELPHIA FLYERS ELITE PREP	520
TEAM MARYLAND	436
SKIPJACKS HOCKEY ACADEMY	384
NJ 875	365
CP DYNAMO	334
WESTCHESTER EXPRESS	273
PHILADELPHIA FLYERS ELITE	206
UTICA JR. COMETS	131
MERCER CHIEFS ELITE	109
CT JR. RANGERS	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.
 - 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