



ATLANTIC GIRLS 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. AGHF 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 AGHF 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.

Number of teams per division who qualify for the playoffs will be determined by December 15th

ATLANTIC GIRLS HOCKEY FEDERATION
KRACH RATINGS

WEEK ENDING ON JANUARY 8TH

10U

SAUGERTIES FILLIES	1840
PRINCETON TIGER LILIES	610
NJ BANDITS	346
NEW YORK ISLANDERS	60

12U

PRINCETON TIGER LILIES BLACK	3573
MYHA	1240
LADY ISLANDERS	1073
THE ST. JAMES	853
WBS LADY KNIGHTS	511
SAUGERTIES FILLIES	299
NEW YORK ISLANDERS	66
NJ BANDITS	39
PRINCETON TIGER LILIES ORANGE	11

14U DIAMOND

PRINCETON TIGER LILIES BLACK	7267
SOUTH PITTSBURGH REBELLION	1058
THE ST. JAMES	274
NJ BANDITS	193
NEW YORK ISLANDERS	121
MYHA BLUE	118
STATELINE HAWKS	118
PRINCETON TIGER LILIES ORANGE	68
LADY BULLDOGS	35
LADY ISLANDERS WHITE	29
MYHA GOLD	24

14U PLATINUM

PHILADELPHIA JR FLYERS SAKERS	1346
RESTON RAIDERS	902
NEW YORK ISLANDERS	381
MYHA	192
NJ BANDITS	93
LEHIGH VALLEY PHANTOMS	56

16U DIAMOND

NJ BANDITS	4467
PRINCETON TIGER LILIES BLACK	1495
PRINCETON TIGER LILIES ORANGE	703
THE ST. JAMES	468
MYHA	388
PHILADELPHIA JR FLYERS BINNS	99
NEW YORK ISLANDERS	96

16U PLATINUM

YORK LADY DEVILS	1026
MARYLAND JR BLACK BEARS	776
LEHIGH VALLEY PHANTOMS	577
NORTH JERSEY LADY KINGS	276
PHILADELPHIA HOCKEY CLUB BELLES	179
RESTON RAIDERS	121
ROCKETS HOCKEY CLUB	33

19U

YORK LADY DEVILS	4879
ROCKETS HOCKEY CLUB BLACK	696
NEW YORK ISLANDERS	565
LEHIGH VALLEY PHANTOMS	405
LADY BULLDOGS	203
PHILADELPHIA HOCKEY CLUB BELLES	72
PRINCETON TIGER LILIES	64
MYHA	47
ROCKETS HOCKEY CLUB WHITE	11



ATLANTIC GIRLS HOCKEY FEDERATION DIVISION STRUCTURE AND PLAYOFF ELIGIBILITY

Intent: The goal of the Atlantic Girls 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, standings will be sorted by number of games played.
2. In Early-December, we will begin sorting the rankings as determined by KRACH ratings.
 - a. Rankings will be updated monthly as determined by KRACH.

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 AGHF 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