



ATLANTIC GIRLS HOCKEY FEDERATION **KRACH RATINGS** WEEK ENDING ON DECEMBER 18TH

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 DECEMBER 18TH

10U

MYHA	6704
SAUGERTIES FILLIES	1849
PRINCETON TIGER LILIES	615
NJ BANDITS	344
PHILADELPHIA JR FLYERS	57
THE ST. JAMES	50

12U

PRINCETON TIGER LILIES BLACK	3585
MYHA	1261
LADY ISLANDERS	1092
THE ST. JAMES	868
SAUGERTIES FILLIES	410
WBS LADY KNIGHTS	330
NJ BANDITS	38
PRINCETON TIGER LILIES ORANGE	11

14U DIAMOND

PRINCETON TIGER LILIES BLACK	7224
SOUTH PITTSBURGH REBELLION	1067
THE ST. JAMES	278
NJ BANDITS	197
STATELINE HAWKS	123
MYHA BLUE	110
PRINCETON TIGER LILIES ORANGE	68
LADY BULLDOGS	66
MYHA GOLD	23
LADY ISLANDERS WHITE	22

14U PLATINUM

PHILADELPHIA JR FLYERS SAKERS	1345
RESTON RAIDERS	912
MYHA	192
NJ BANDITS	85
LEHIGH VALLEY PHANTOMS	67

16U DIAMOND

NJ BANDITS	4407
PRINCETON TIGER LILIES BLACK	1496
PRINCETON TIGER LILIES ORANGE	694
THE ST. JAMES	469
MYHA	389
PHILADELPHIA JR FLYERS BINNS	100
NEW YORK ISLANDERS	97

16U PLATINUM

YORK LADY DEVILS	1060
MARYLAND JR BLACK BEARS	800
LEHIGH VALLEY PHANTOMS	596
NORTH JERSEY LADY KINGS	285
PHILADELPHIA HOCKEY CLUB BELLES	188
RESTON RAIDERS	125
ROCKETS HOCKEY CLUB	34

19U

YORK LADY DEVILS	4632
ROCKETS HOCKEY CLUB BLACK	727
LEHIGH VALLEY PHANTOMS	433
LADY BULLDOGS	212
PHILADELPHIA HOCKEY CLUB BELLES	75
PRINCETON TIGER LILIES	66
MYHA	49
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