



# ATLANTIC GIRLS HOCKEY FEDERATION

# **KRACH RATINGS**

## WEEK ENDING ON FEBRUARY 12TH

### **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 FEBRUARY 12TH

**10U**

<b>SAUGERTIES FILLIES</b>	2099
<b>PRINCETON TIGER LILIES</b>	405
<b>NJ BANDITS</b>	382
<b>NY ISLANDERS</b>	52

**12U**

<b>PRINCETON TIGER LILIES BLACK</b>	5313
<b>MYHA</b>	1105
<b>THE ST. JAMES</b>	891
<b>LADY ISLANDERS</b>	709
<b>WBS LADY KNIGHTS</b>	488
<b>SAUGERTIES FILLIES</b>	139
<b>NY ISLANDERS</b>	68
<b>NJ BANDITS</b>	35
<b>PRINCETON TIGER LILIES ORANGE</b>	5

**14U DIAMOND**

<b>PRINCETON TIGER LILIES BLACK</b>	7531
<b>SOUTH PITTSBURGH REBELLION</b>	1138
<b>THE ST. JAMES</b>	270
<b>NJ BANDITS</b>	118
<b>MYHA BLUE</b>	108
<b>STATELINE HAWKS</b>	88
<b>NY ISLANDERS</b>	67
<b>PRINCETON TIGER LILIES ORANGE</b>	67
<b>LADY BULLDOGS</b>	42
<b>LADY ISLANDERS WHITE</b>	25
<b>MYHA GOLD</b>	19

**14U PLATINUM**

<b>PHILADELPHIA JR FLYERS SAKERS</b>	1696
<b>RESTON RAIDERS</b>	626
<b>NEW YORK ISLANDERS</b>	335
<b>MYHA GOLD</b>	334
<b>NJ BANDITS</b>	90
<b>LEHIGH VALLEY PHANTOMS</b>	49

**16U DIAMOND**

<b>NJ BANDITS</b>	3560
<b>PRINCETON TIGER LILIES BLACK</b>	1747
<b>PRINCETON TIGER LILIES ORANGE</b>	915
<b>THE ST. JAMES</b>	513
<b>MYHA</b>	369
<b>ROCKETS HOCKEY CLUB</b>	209
<b>PHILADELPHIA JR FLYERS BINNS</b>	60
<b>NY ISLANDERS</b>	54

**16U PLATINUM**

<b>YORK LADY DEVILS</b>	1861
<b>MARYLAND JR BLACK BEARS</b>	848
<b>LEHIGH VALLEY PHANTOMS</b>	633
<b>NORTH JERSEY LADY KINGS</b>	237
<b>PHILADELPHIA HOCKEY CLUB BELLES</b>	168
<b>RESTON RAIDERS</b>	155
<b>ROCKETS HOCKEY CLUB</b>	35

**19U**

<b>YORK LADY DEVILS</b>	2481
<b>ROCKETS HOCKEY CLUB BLACK</b>	1179
<b>NEW YORK ISLANDERS</b>	704
<b>LEHIGH VALLEY PHANTOMS</b>	437
<b>LADY BULLDOGS</b>	217
<b>PHILADELPHIA HOCKEY CLUB BELLES</b>	77
<b>PRINCETON TIGER LILIES</b>	55
<b>MYHA</b>	52
<b>ROCKETS HOCKEY CLUB WHITE</b>	10



# 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