

# NCAA Transfer Portal

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**TOURISM, EVENT, AND SPORT MANAGEMENT**

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# Background

- Research the trends within the NCAA transfer portals for football and men's basketball and how the athletes perform at their new school

# Football Methodology



# Football Methodology

## Tier Creation

Created a team ranking system to break down the teams by success over the last five years



## Data Collection

Collected information on each player that transferred to see how they performed at their new school



## Graphics

Analyzed different aspects of the data such as transferring between tiers, success of players by movement between tiers, and overall team transfer patterns

# Football Team Ranking Tiers



# Football Ranking System

Power 5  
School

Records

10 Win  
Seasons

Top 25  
Finishes

Bowl Games

Conference  
Finish

Strength of  
Schedule

# Football Tier Rankings

## Tier 1

- Outliers
- 10 Teams



## Tier 2

- 3<sup>rd</sup> Quartile and Above
- 24 Teams



## Tier 3

- Between 2<sup>nd</sup> & 3<sup>rd</sup> Quartiles
- 37 Teams



## Tier 4

- Between 1<sup>st</sup> & 2<sup>nd</sup> Quartiles
- 29 Teams



## Tier 5

- Below 1<sup>st</sup> Quartile
- 34 Teams



## Tier 6

- FCS and DII Schools
- 91 teams



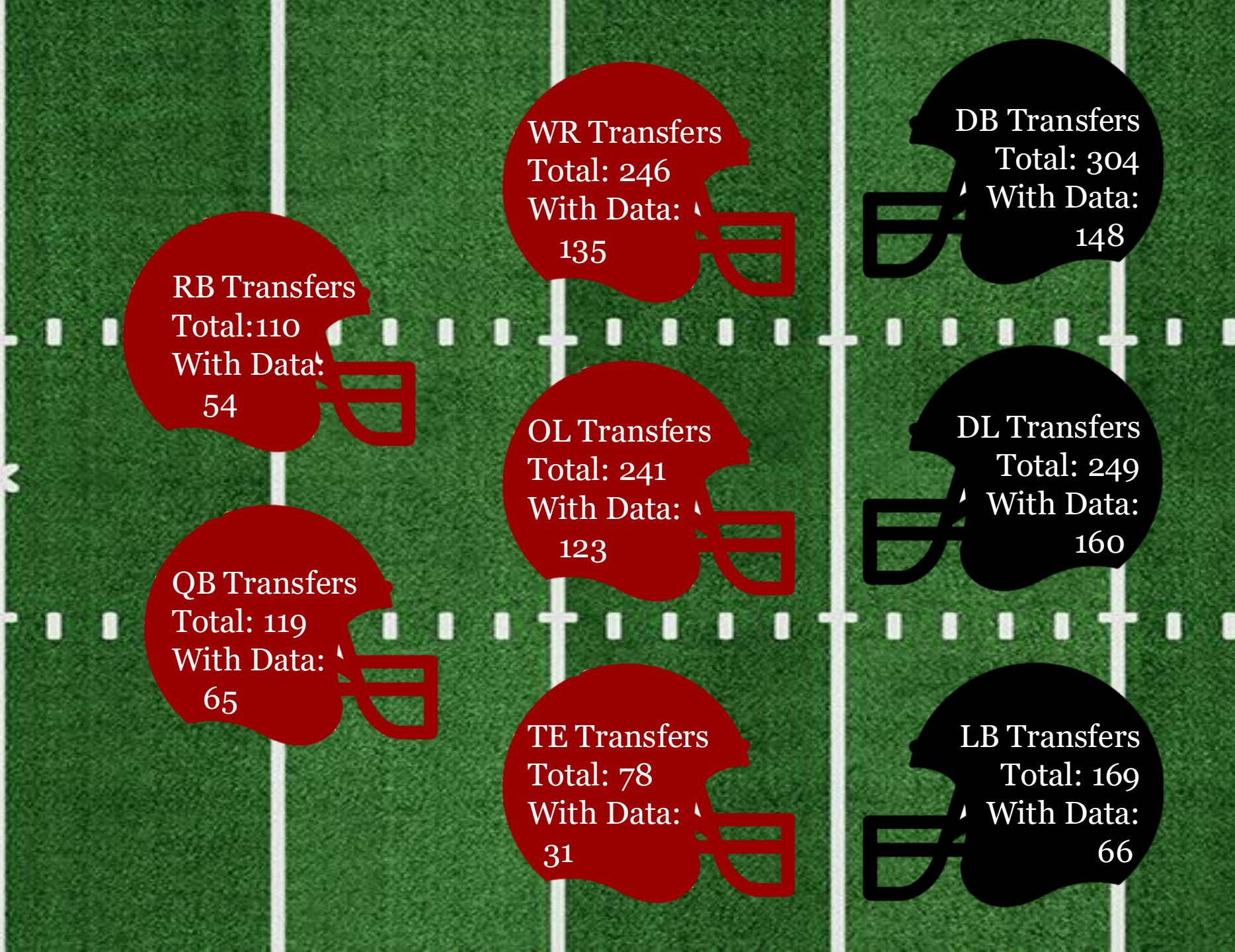
# Football Data



# Football Data

- Scraped the list of transfers from 24/7 Sports for the offseason of December 2022 to September 2023
- Used data from Pro Football Focus for the 2022 and 2023 seasons.
  - PFF had individual player data as well as Player Grades
- Total Number of Players in the Portal: 1,500+
- Players with valid data for analysis: 782
  - These were players that played in both the 2022 and 2023 seasons.
- Separated the players by statistics
  - QB, RB, WR, TE, OL, DL, LB, an DB.

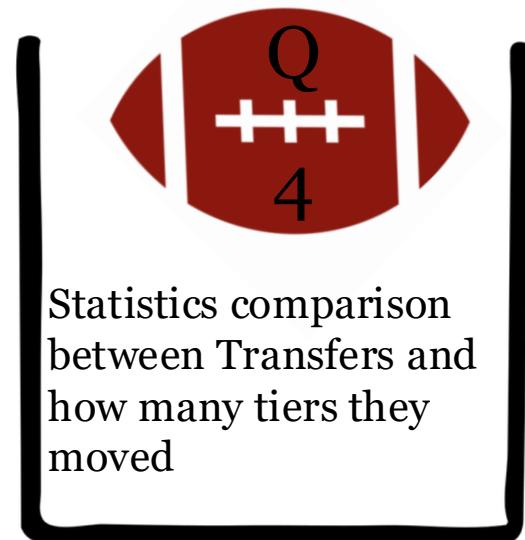
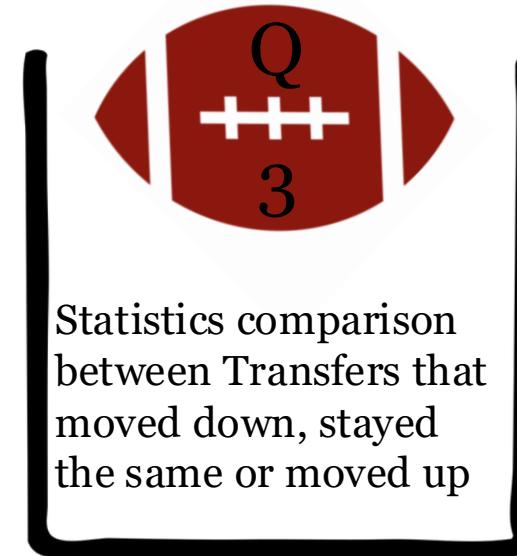
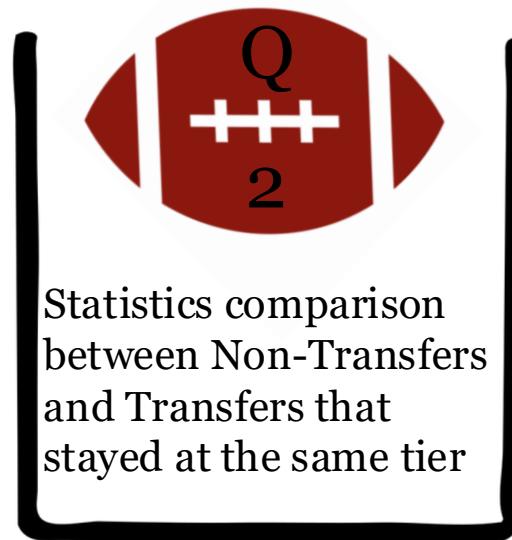
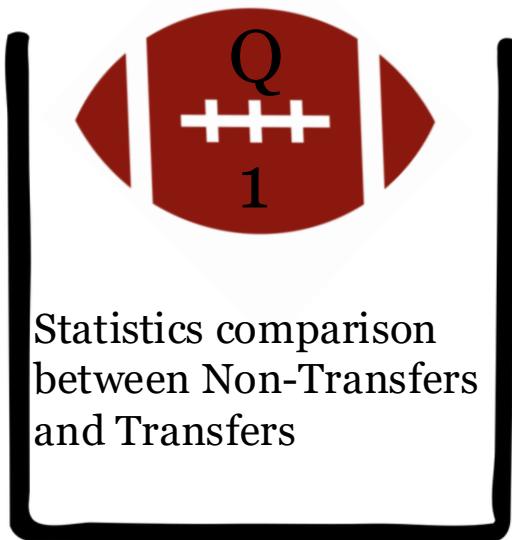
# Transfer Count by Position and Data Availability



# Transfer Portal Questions



# Transfer Portal Questions



# Team Overview

0-10%

61 Teams

10-20%

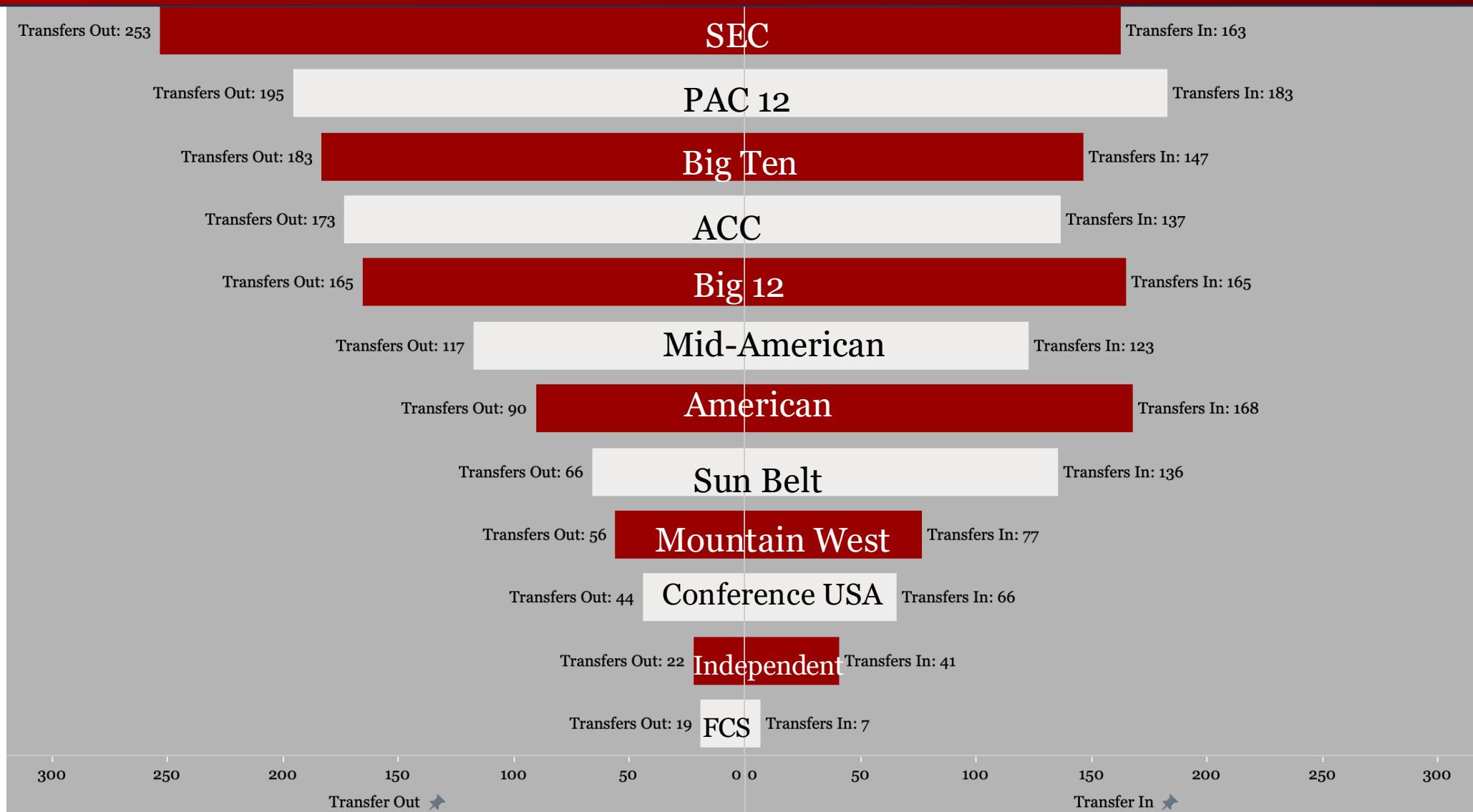
54 Teams

20+%

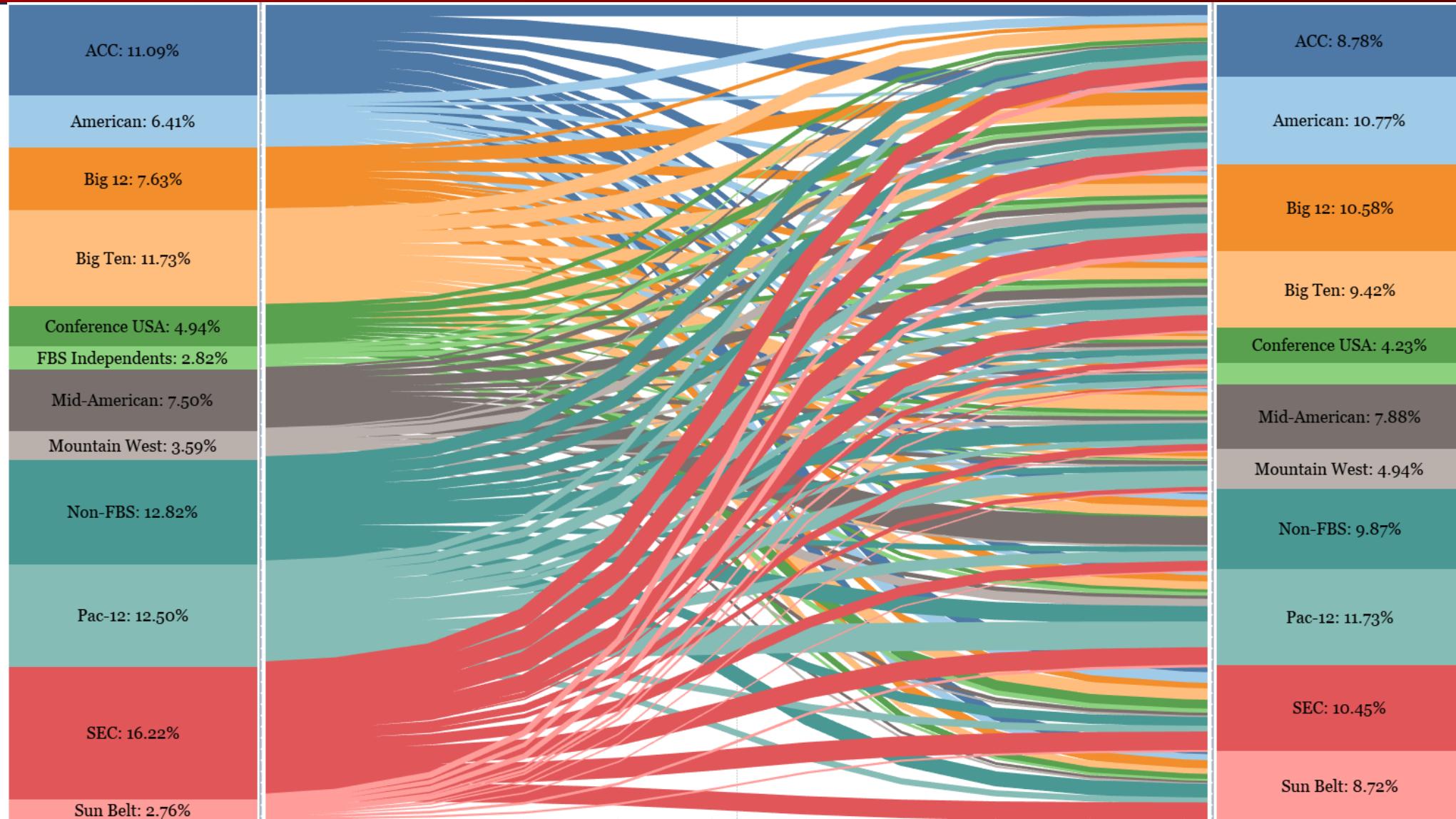
17 Teams



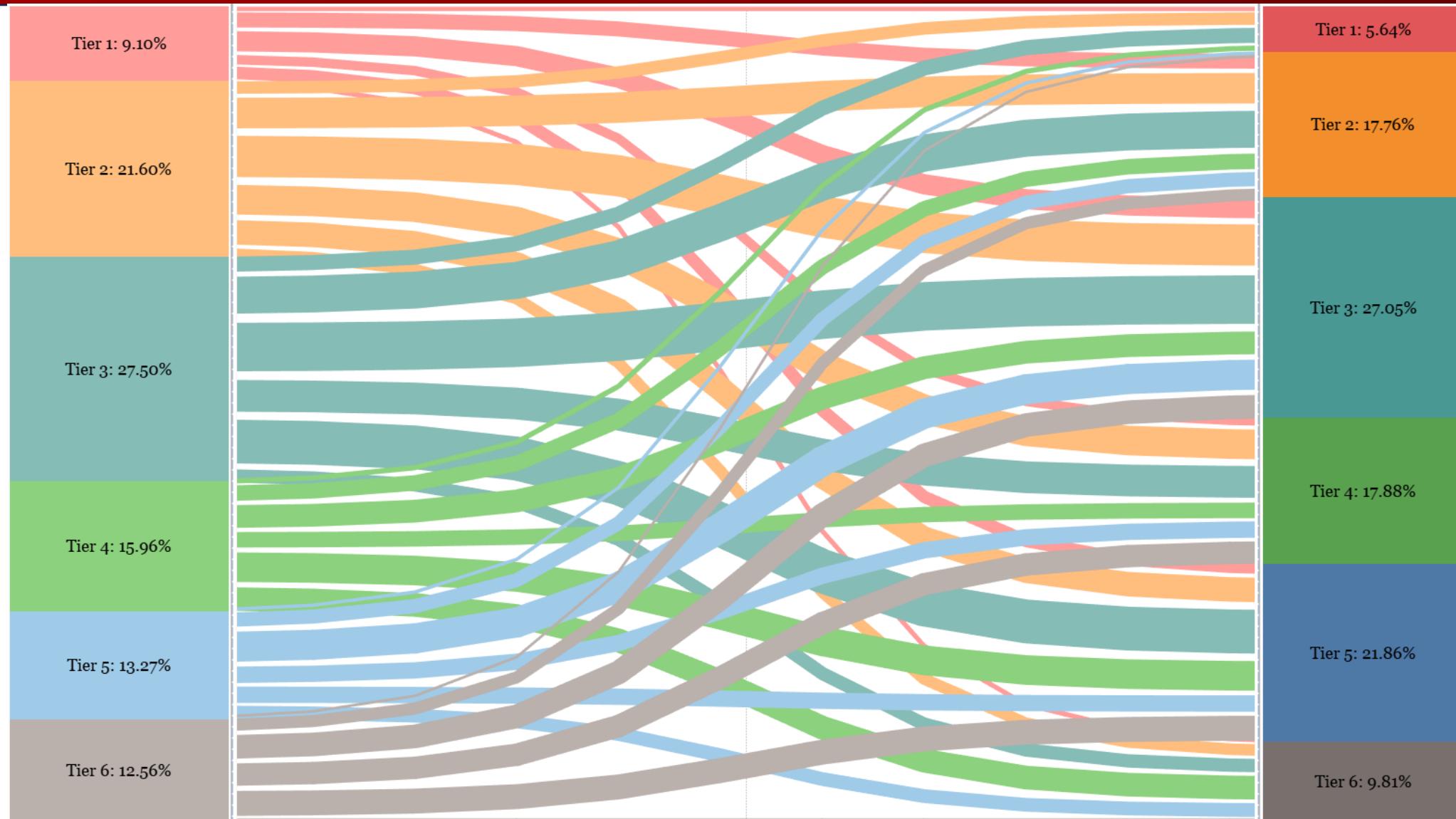
# Team Overview Findings



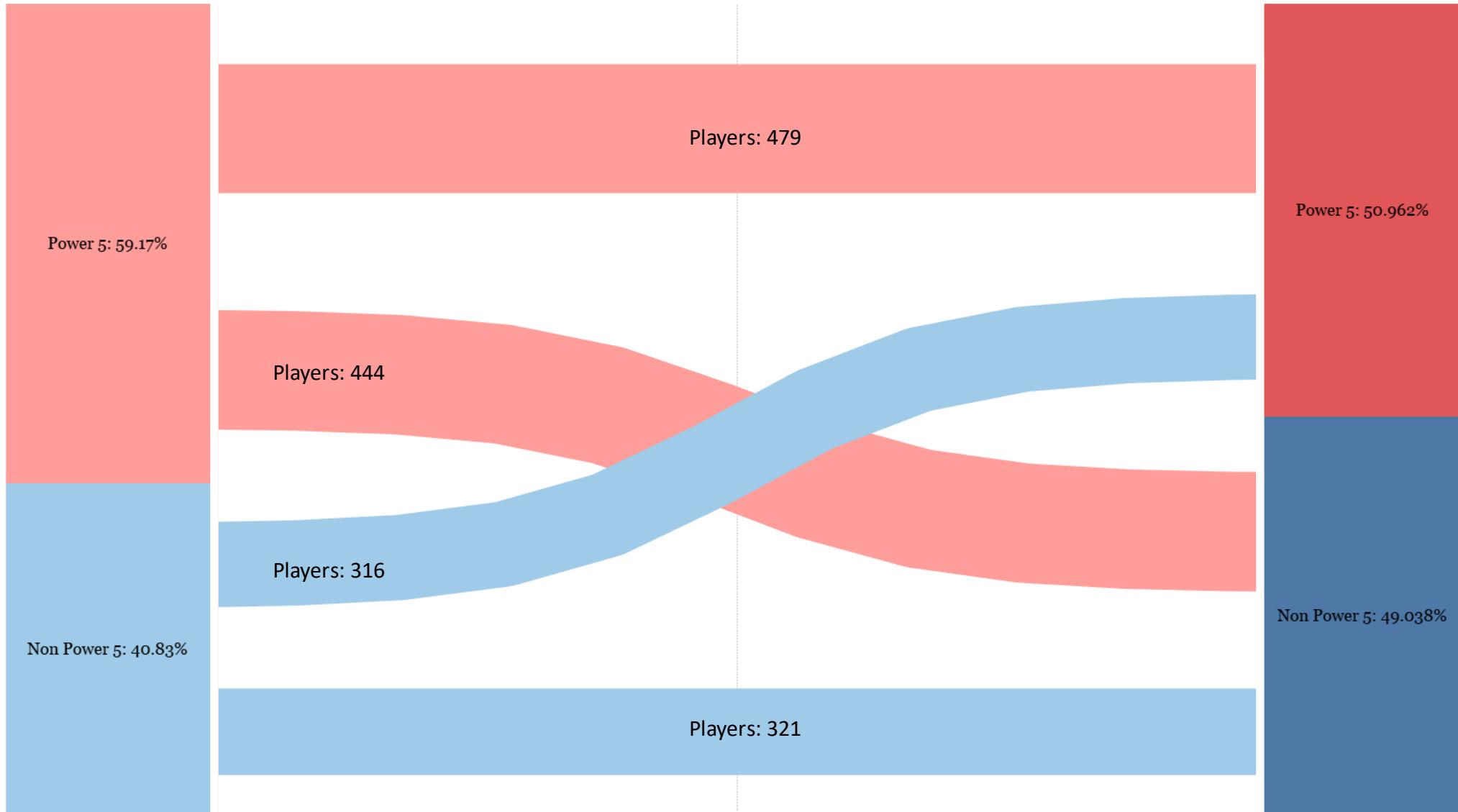
# Transfer Migration by Conference Movement



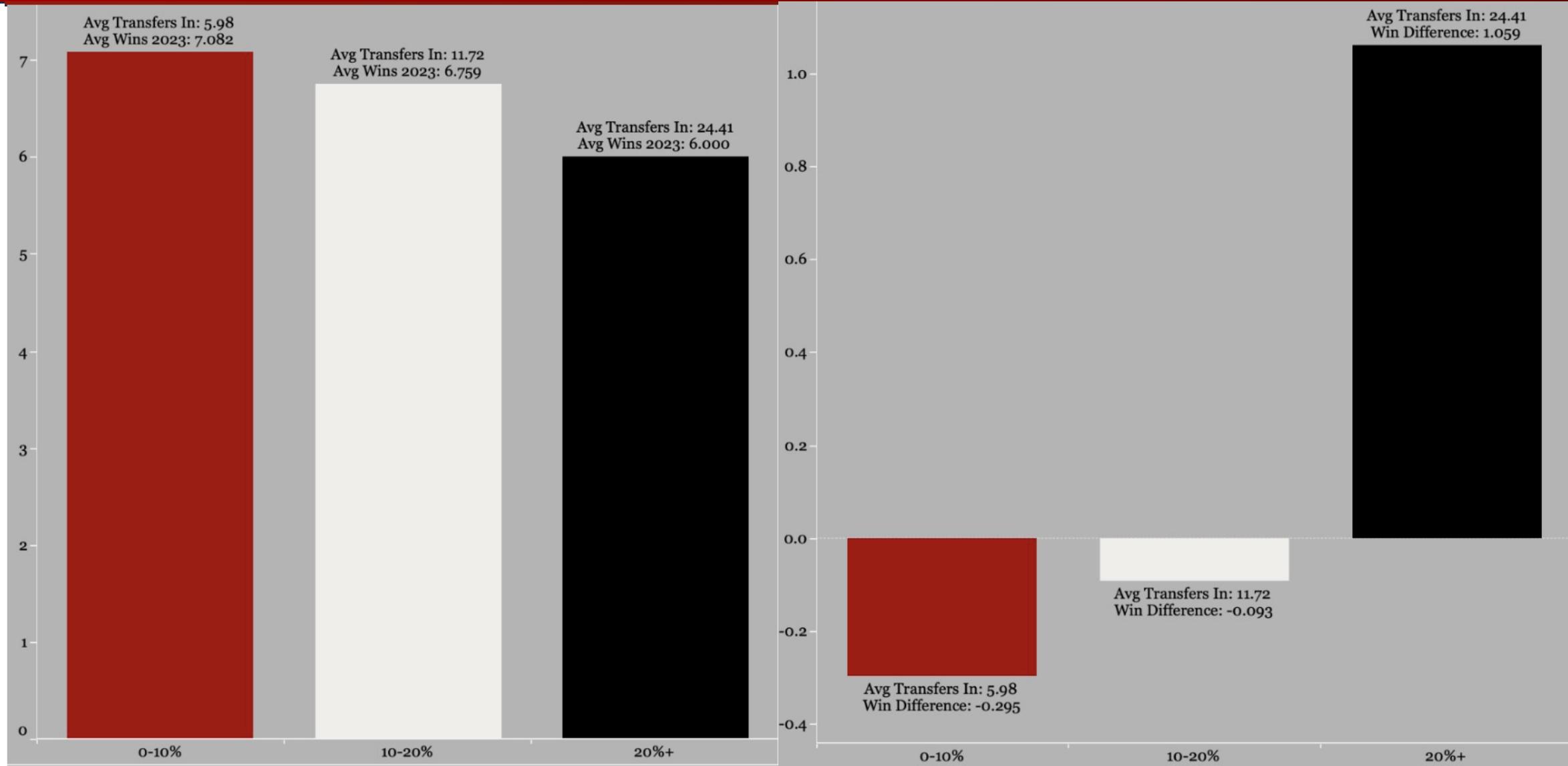
# Transfer Migration by Tier Movement



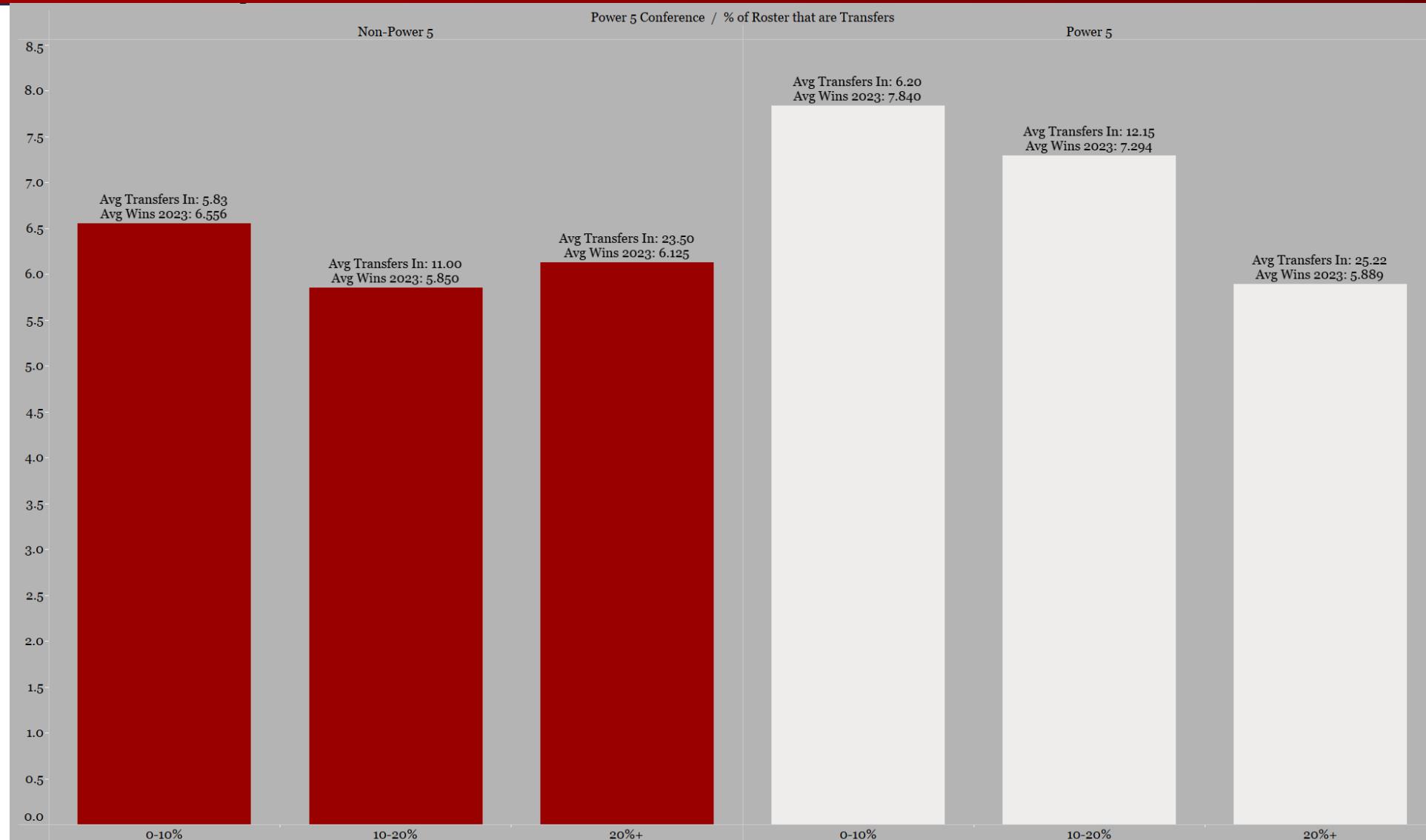
# Transfer Migration by Power 5 Classification



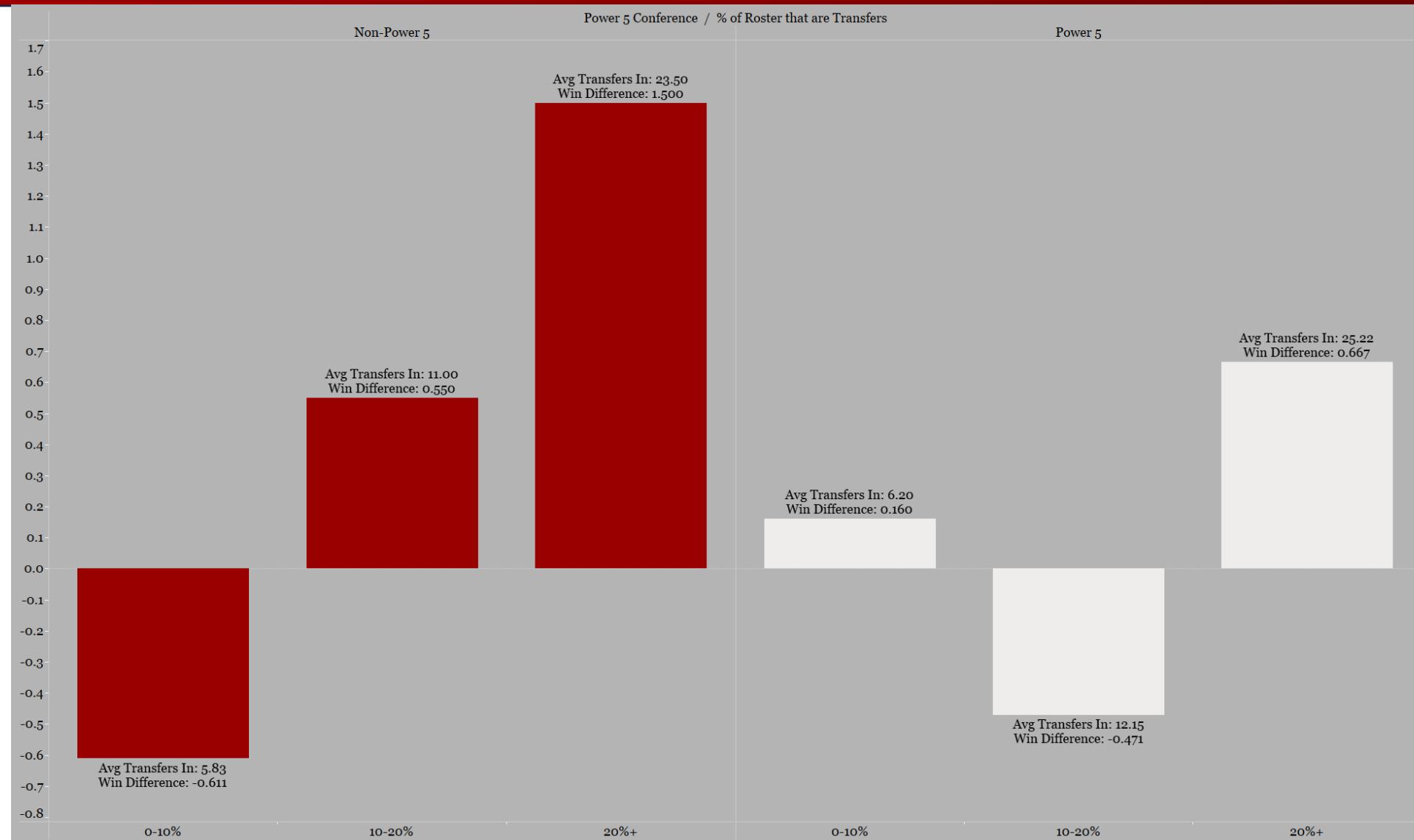
# Roster Transfer Make Up vs Wins



# Power 5 Comparison



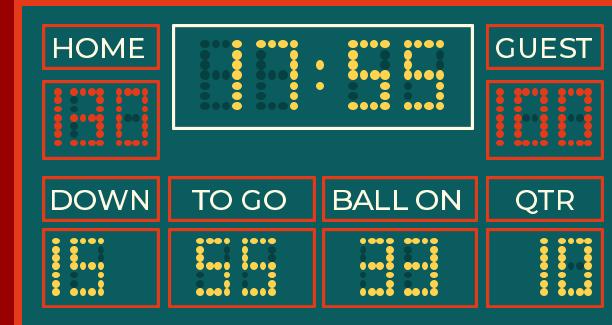
# Power 5 Comparison



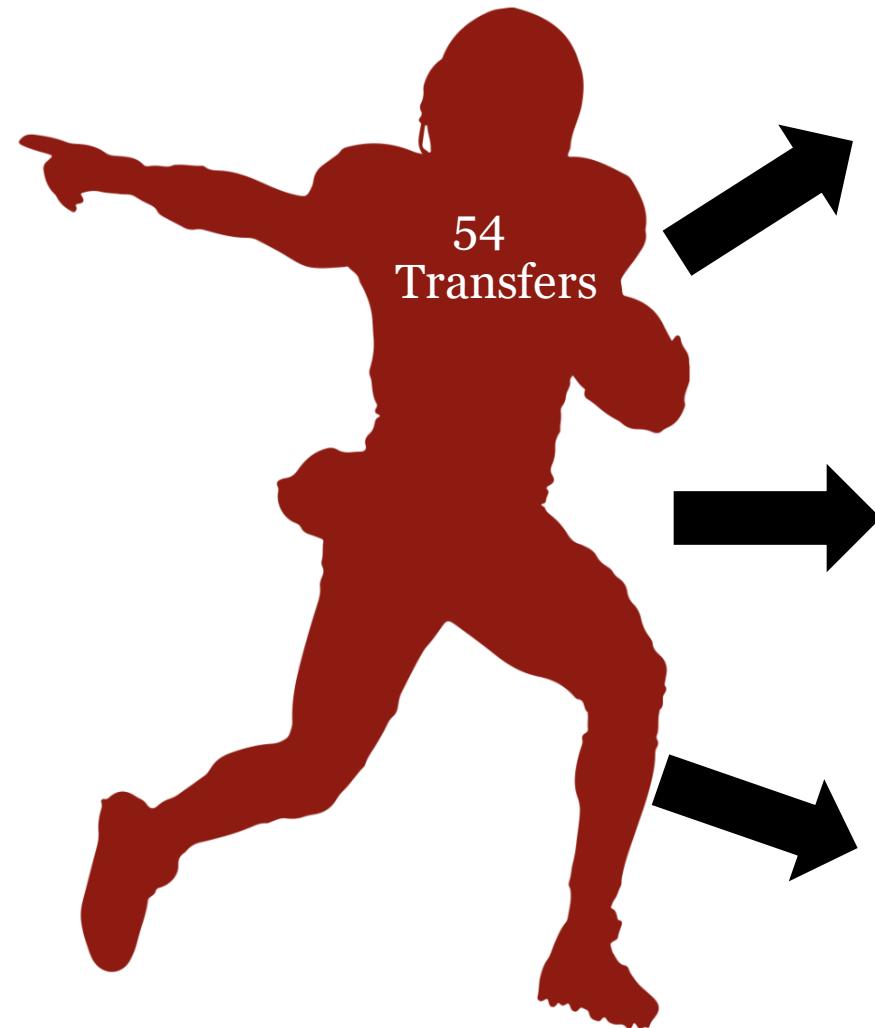
# Offense Overview



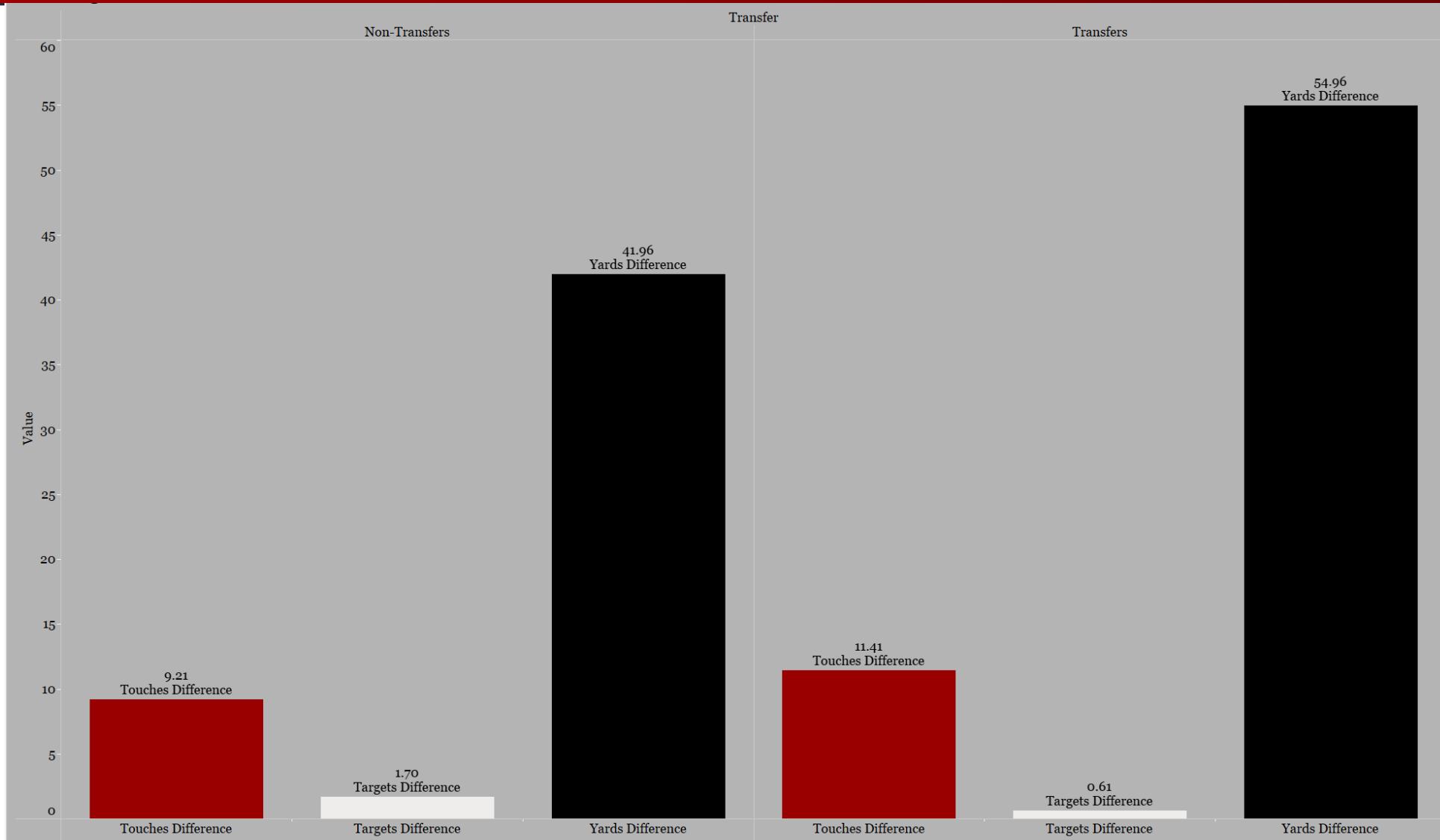
15 : 19



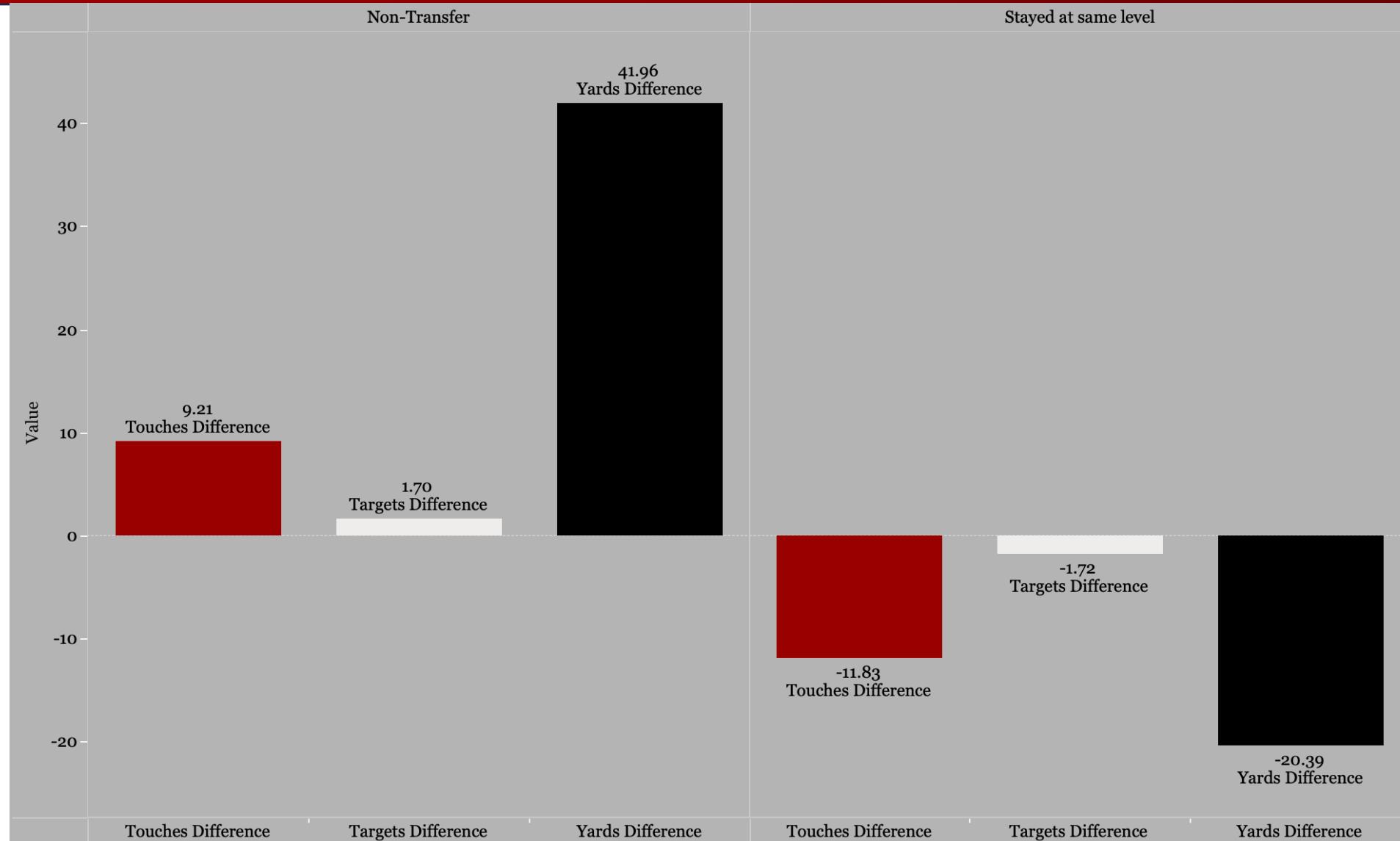
# Running Back Overview



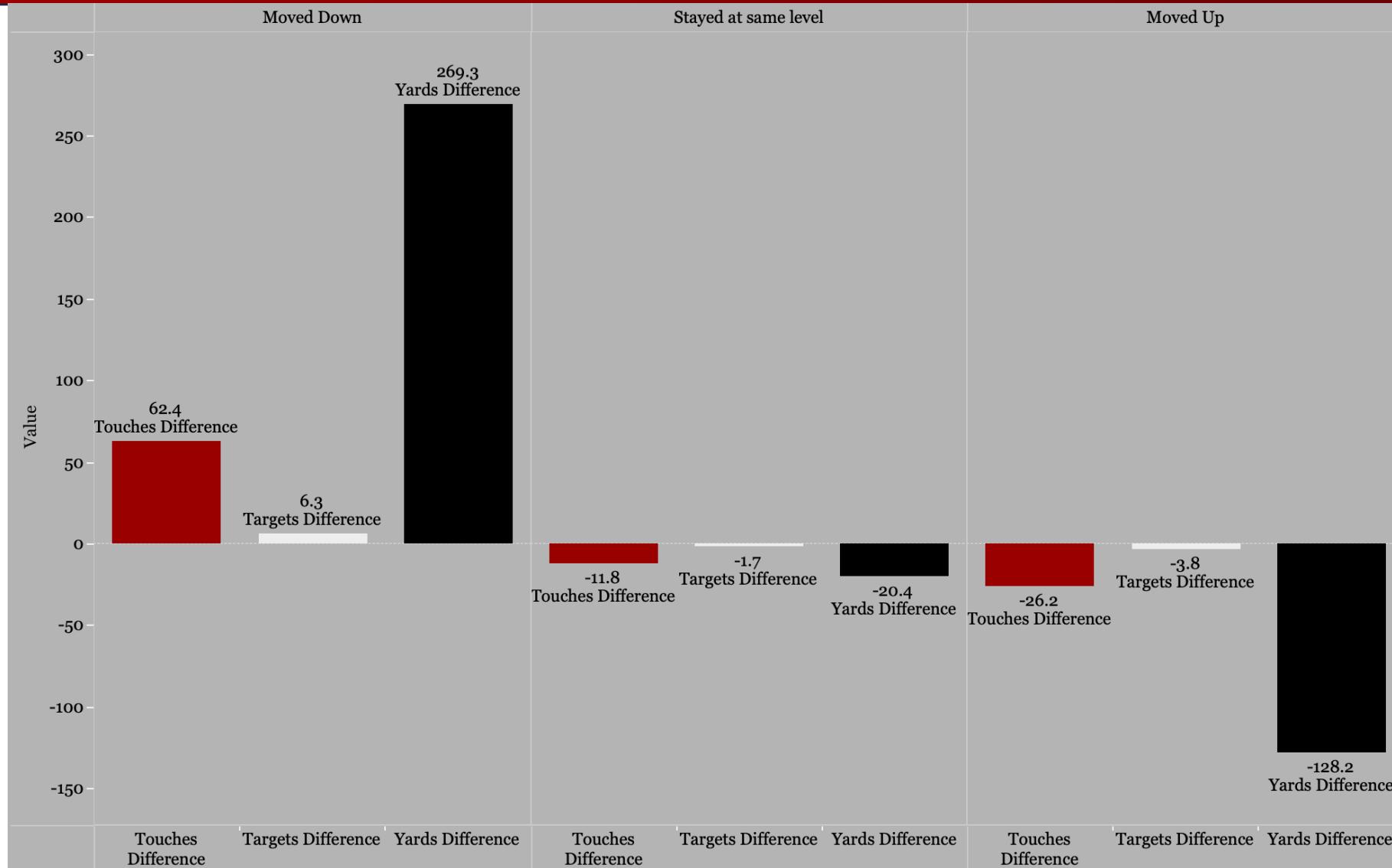
# Running Back Non-Transfers vs Transfers



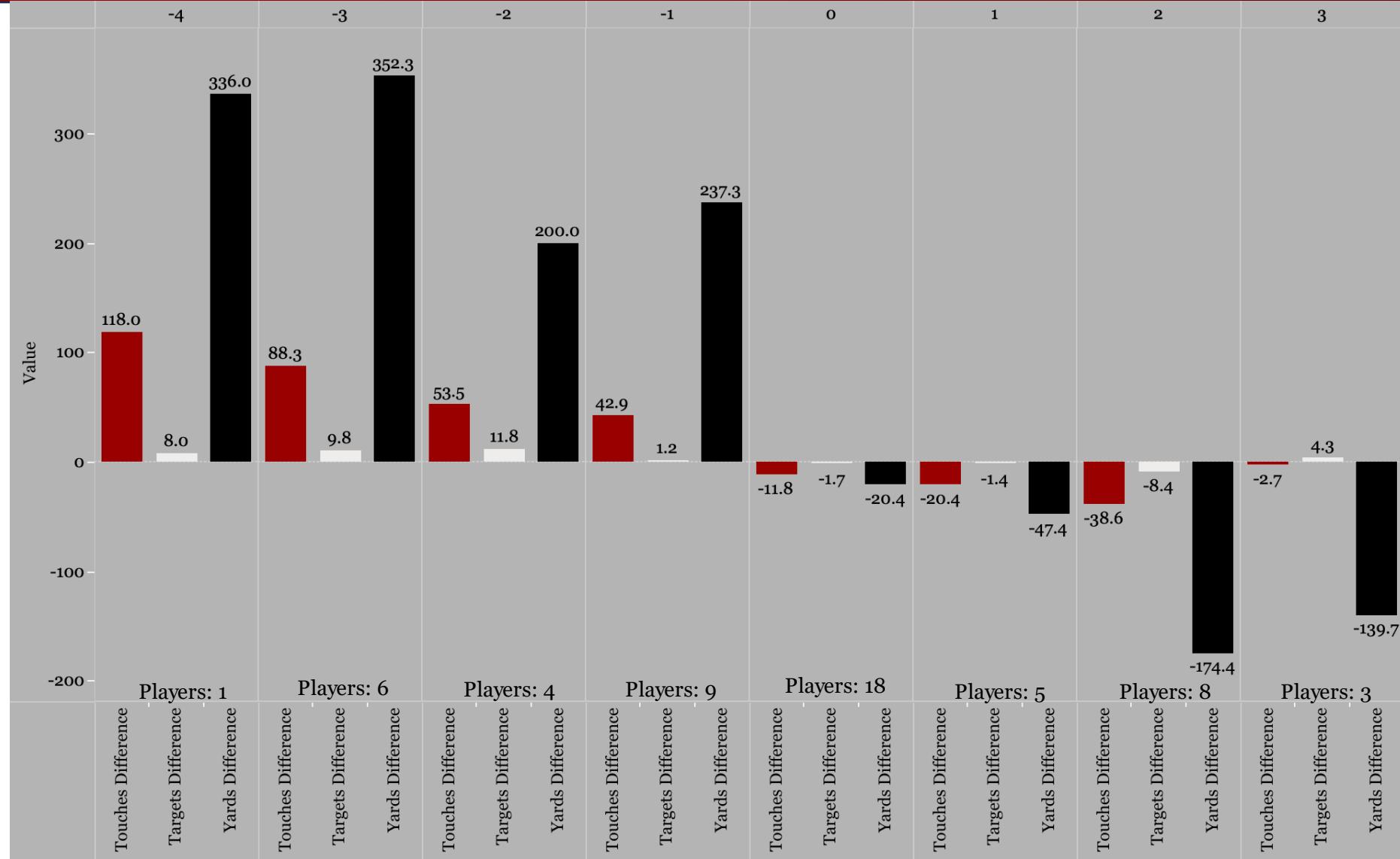
# Running Back Non-Transfers vs Transfers – Same Level



# Running Back Transfer Comparison - Grouped



# Running Back Transfer Comparison – By Tier Change



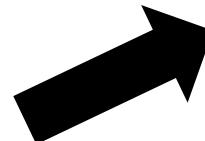
# Wide Receiver Overview



533 Non-  
Transfers



135  
Transfers



41 Moved Up

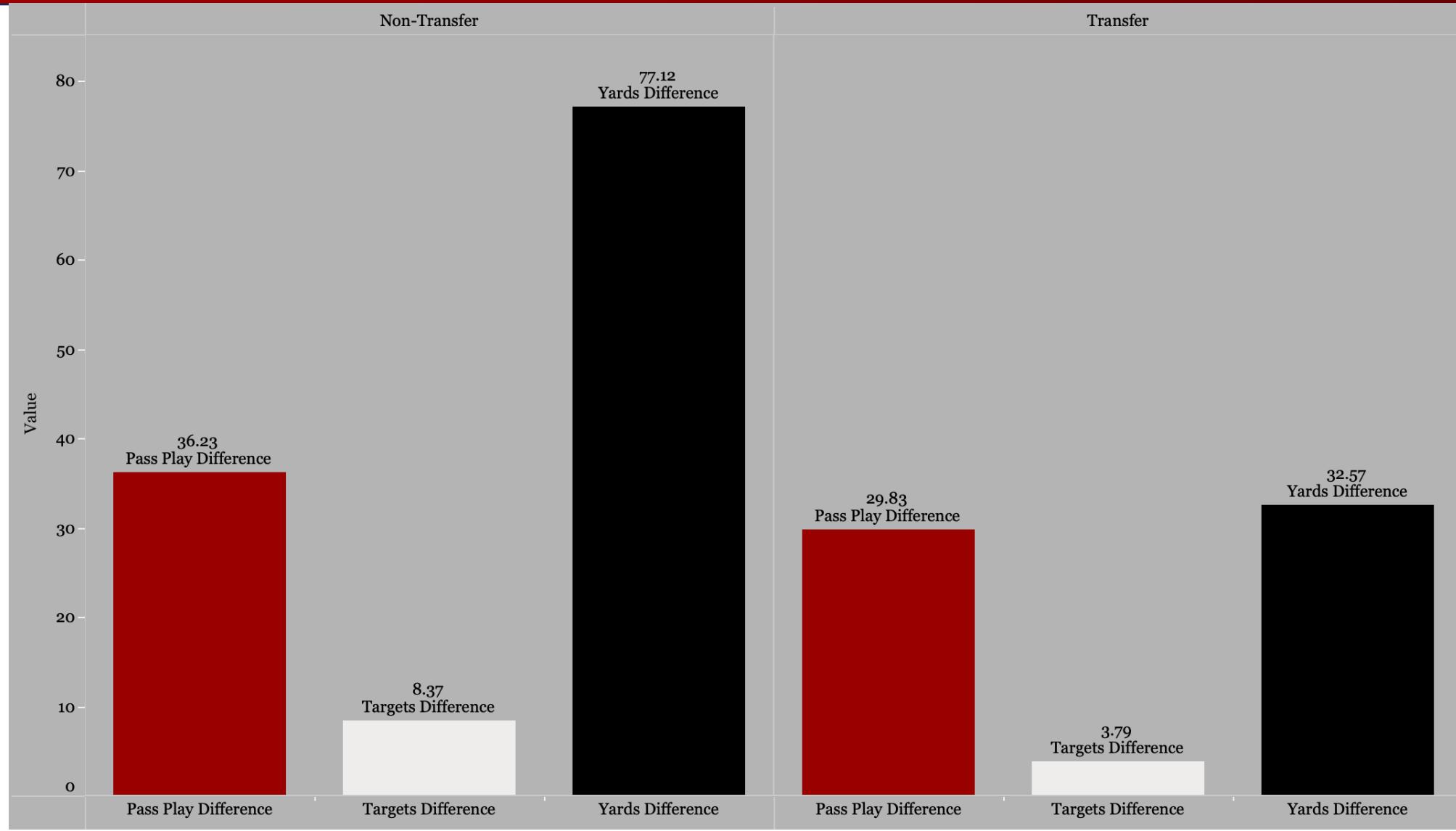


34 Stayed the  
Same

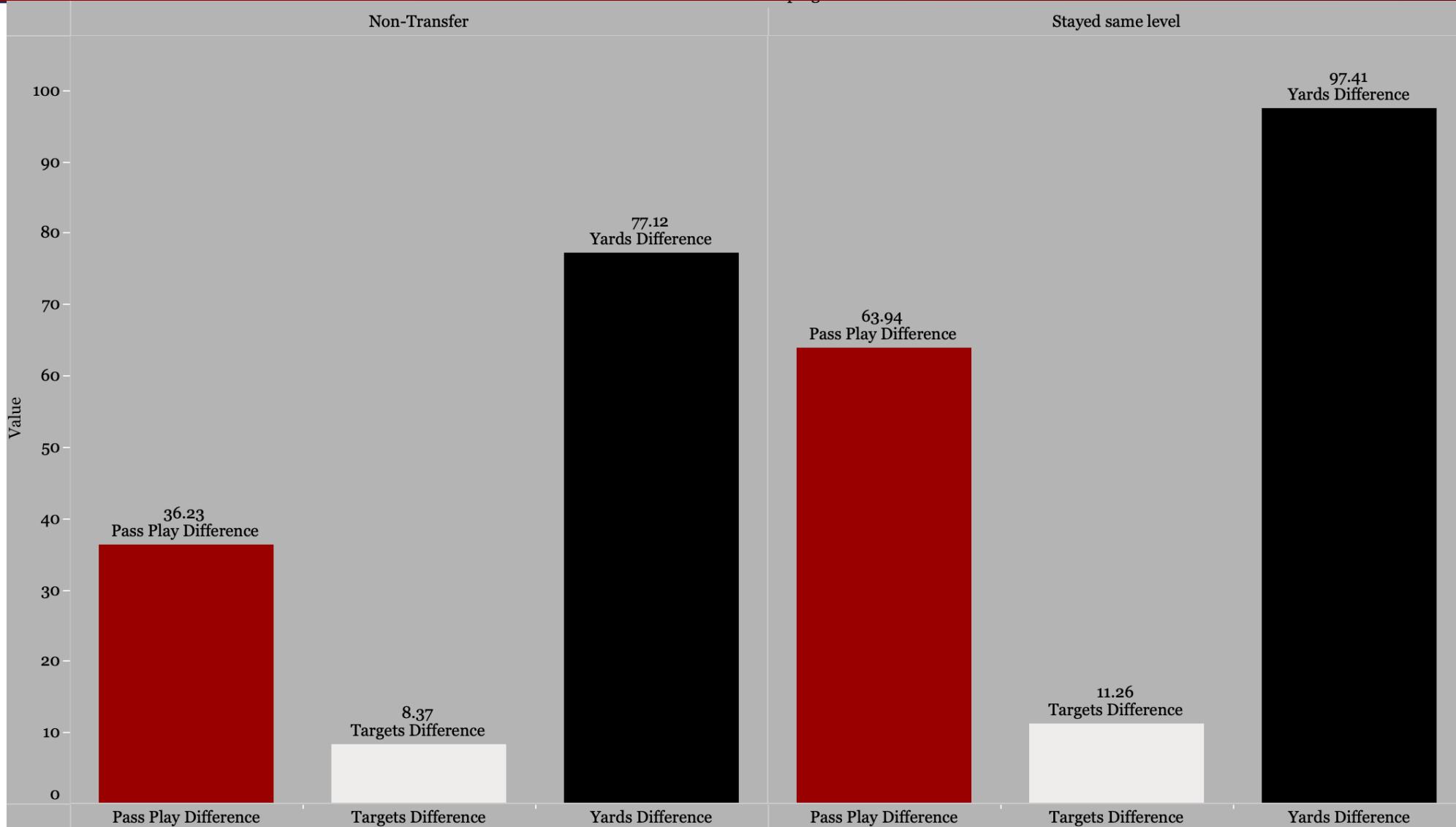


60 Moved Down

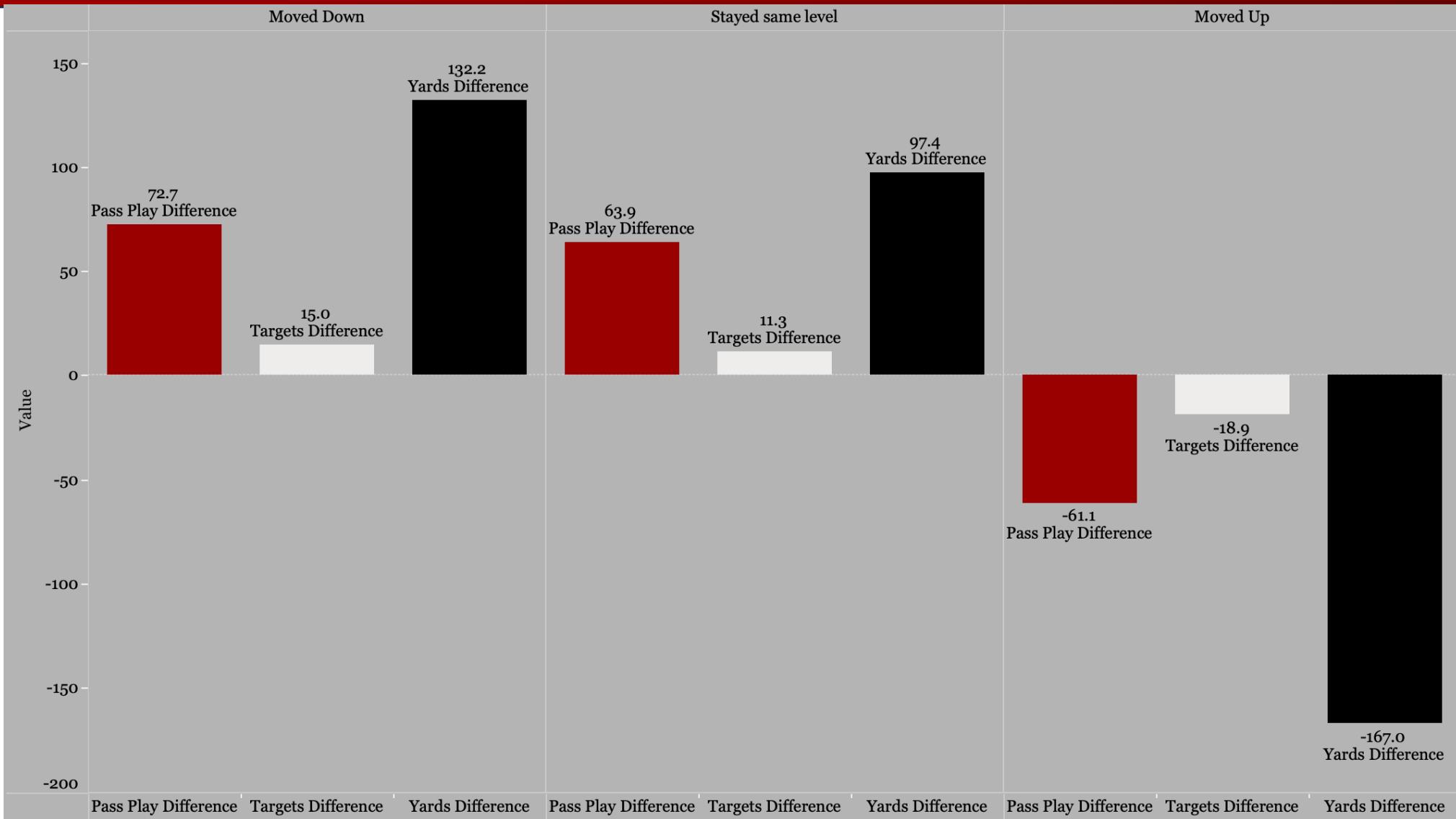
# Wide Receiver Non-Transfers vs Transfers



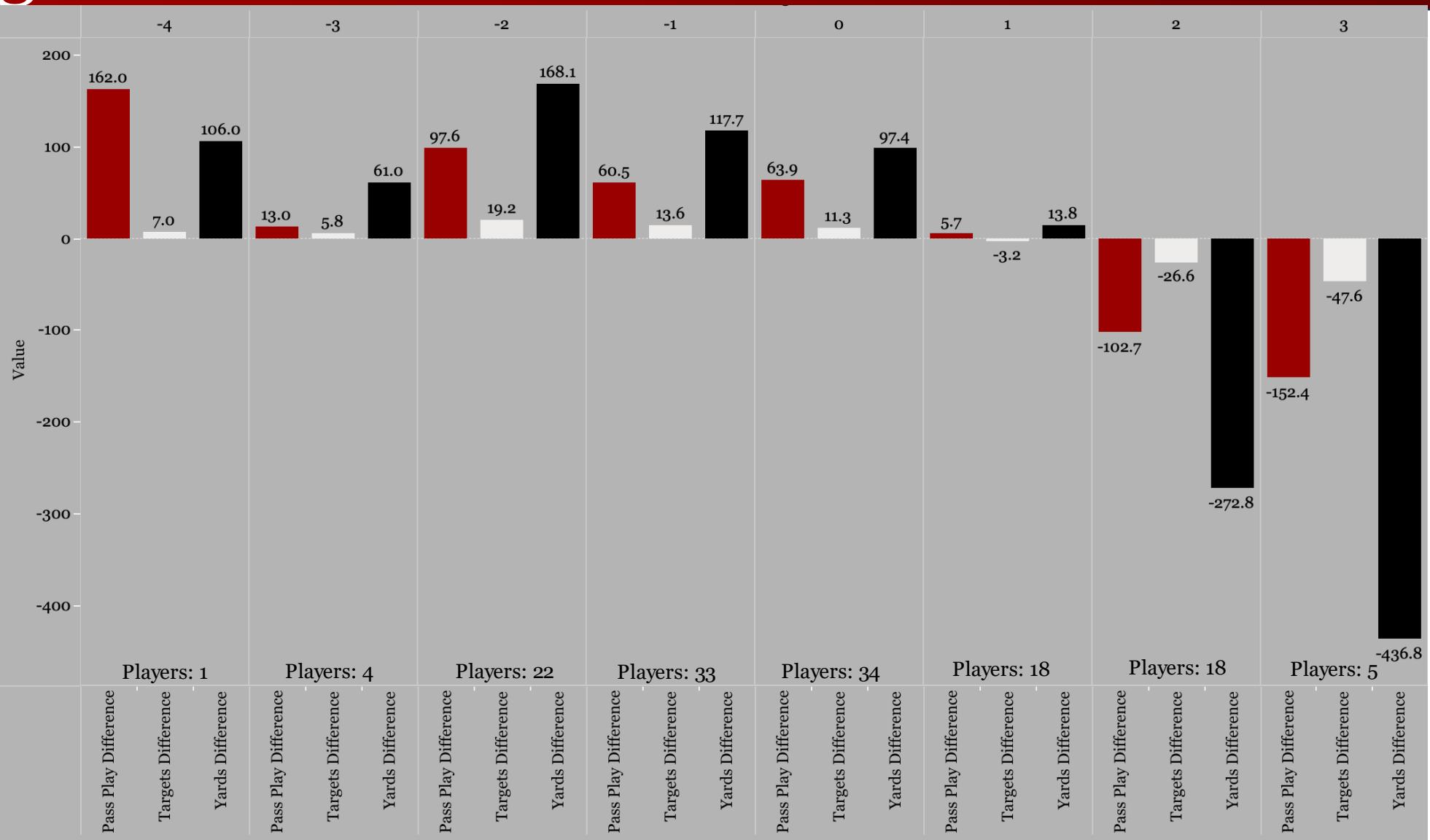
# Wide Receiver Non-Transfers vs Transfers – Same Level



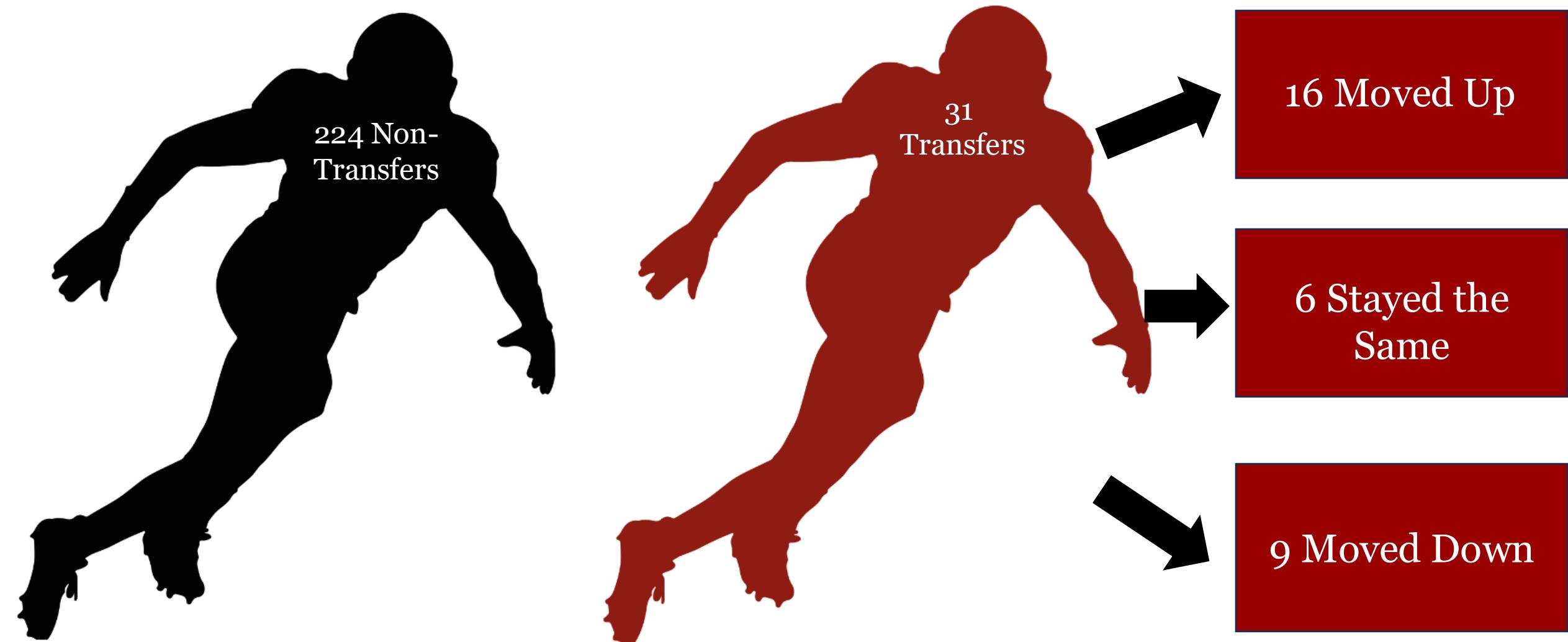
# Wide Receiver Transfer Comparison - Grouped



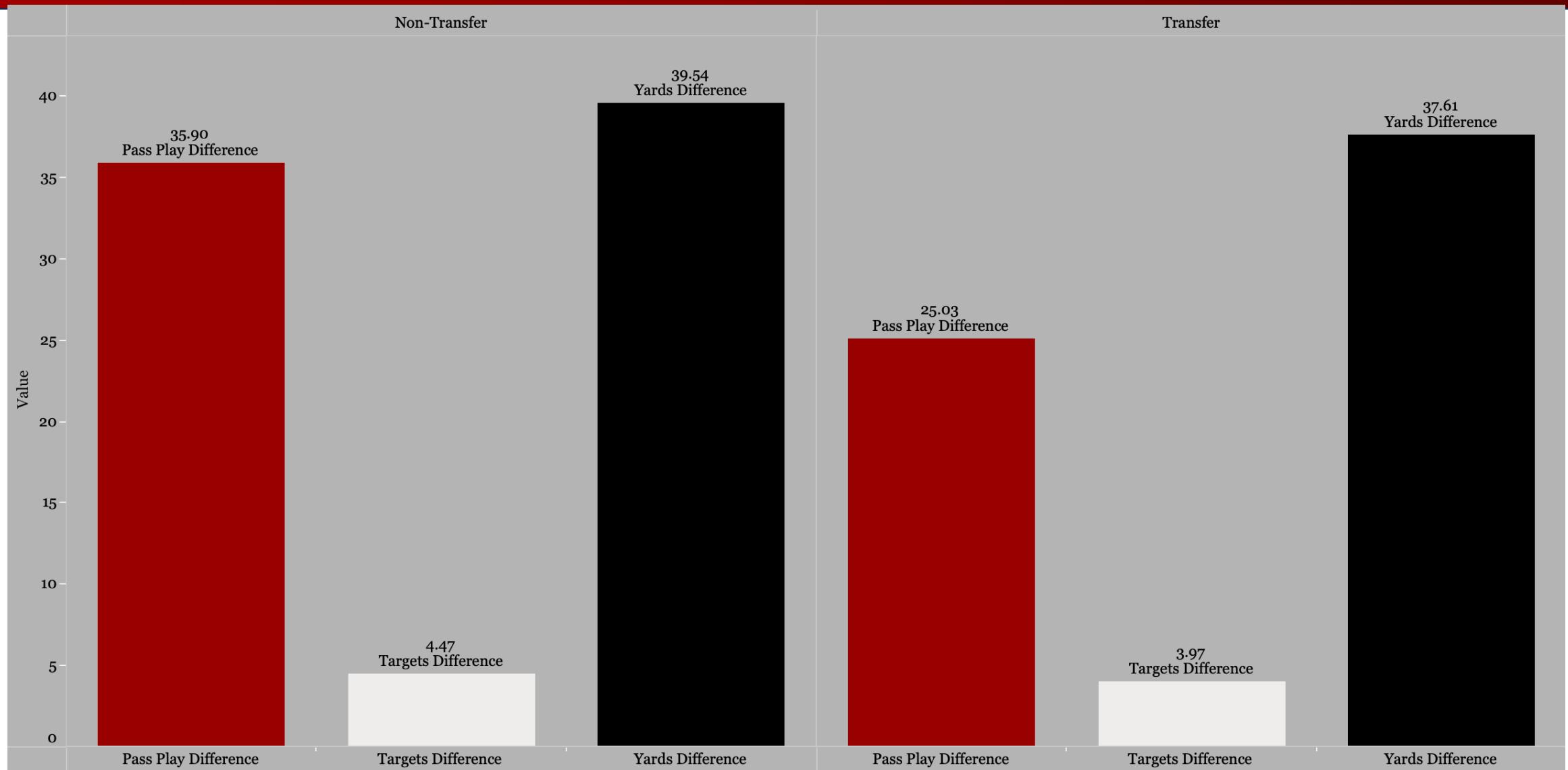
# Wide Receiver Transfer Comparison – By Tier Change



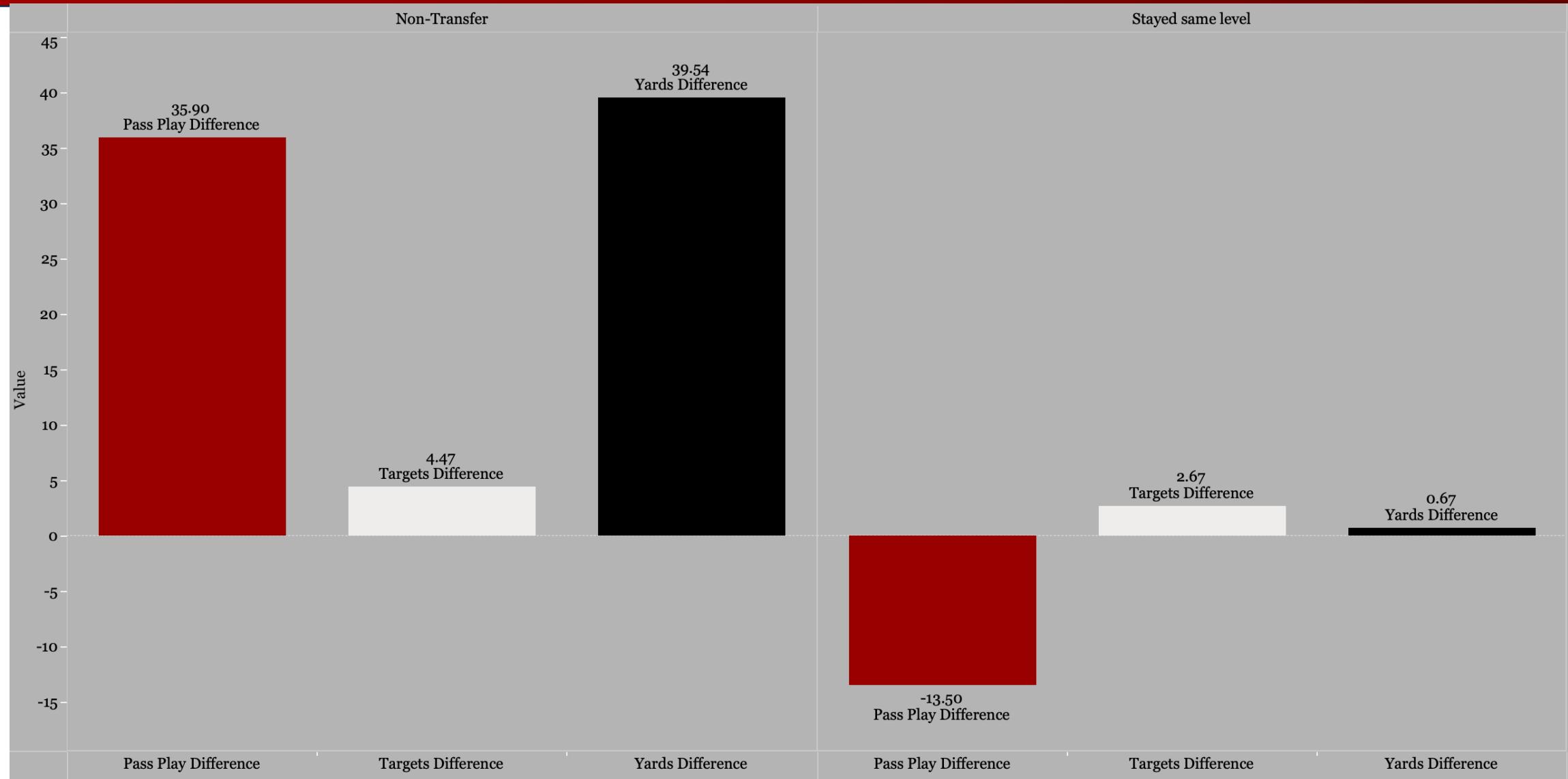
# Tight End Overview



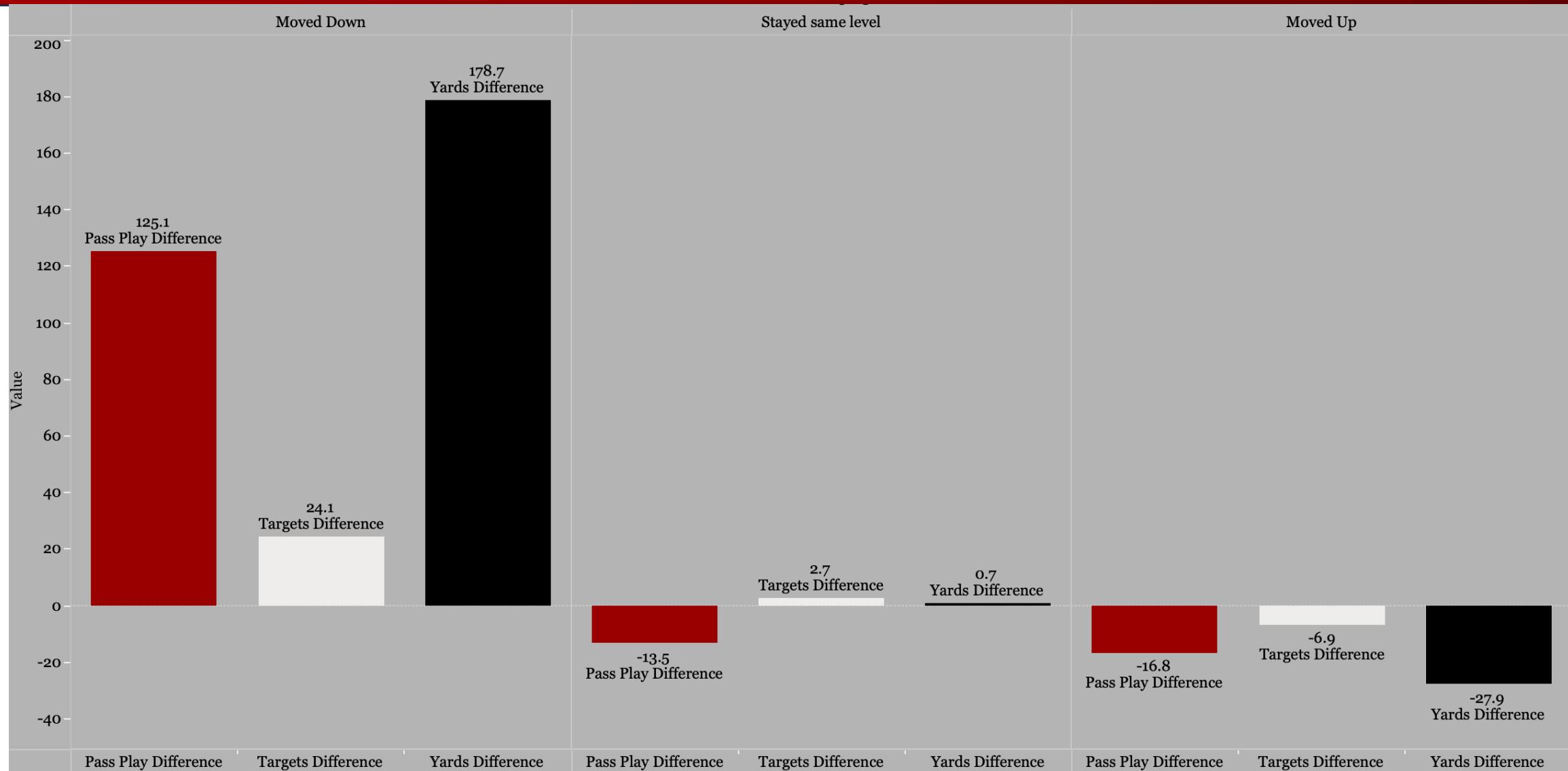
# Tight End Non-Transfers vs Transfers



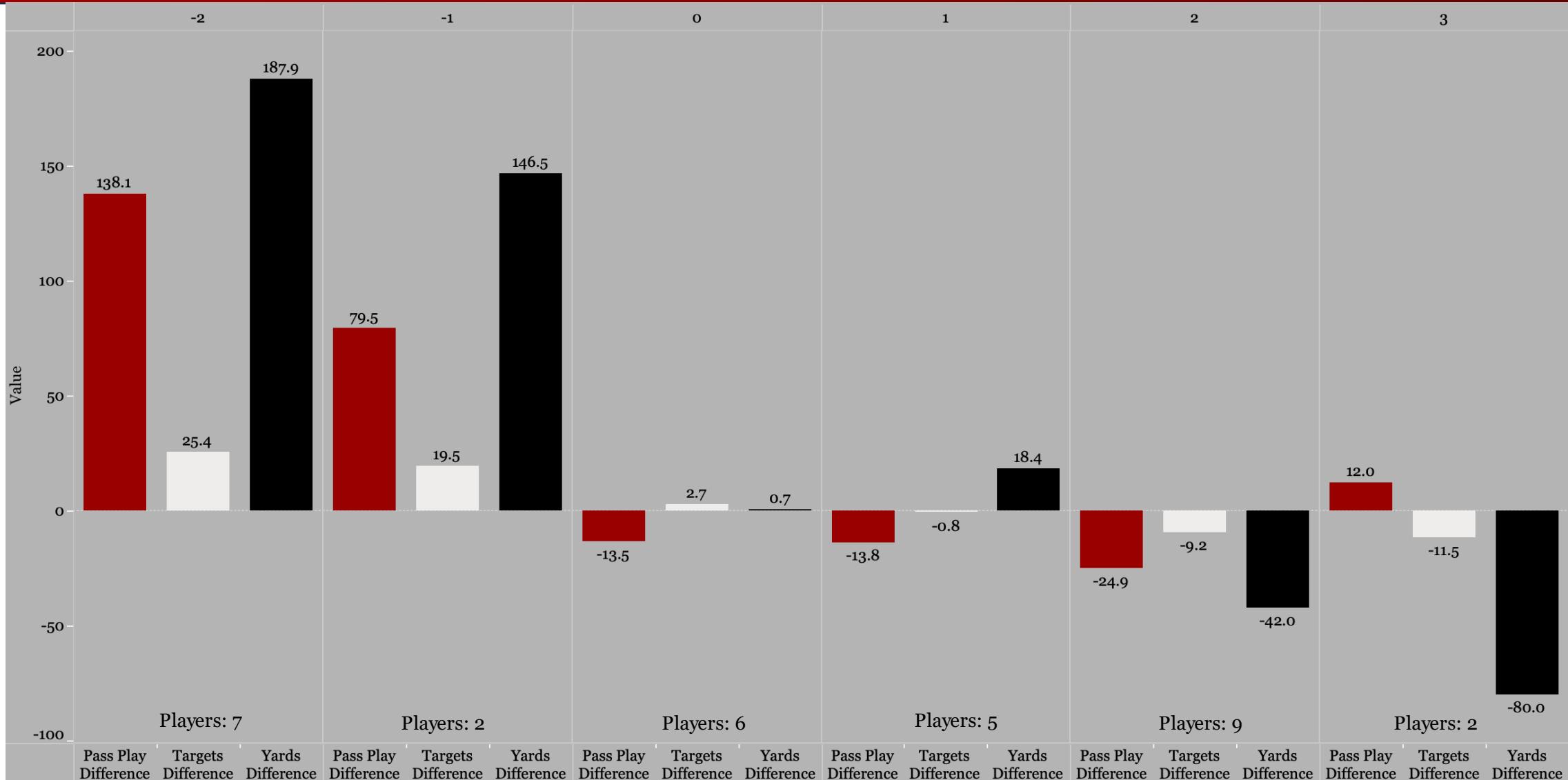
# Tight End Non-Transfers vs Transfers – Same Level



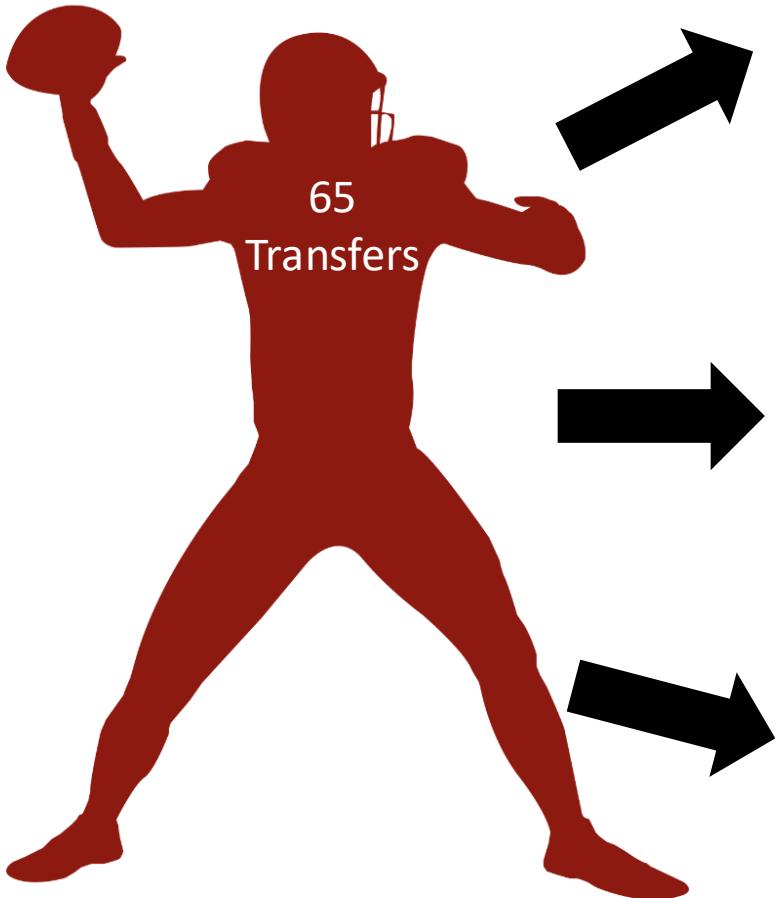
# Tight End Transfer Comparison - Grouped



# Tight End Transfer Comparison – By Tier Change



# Quarterback Overview

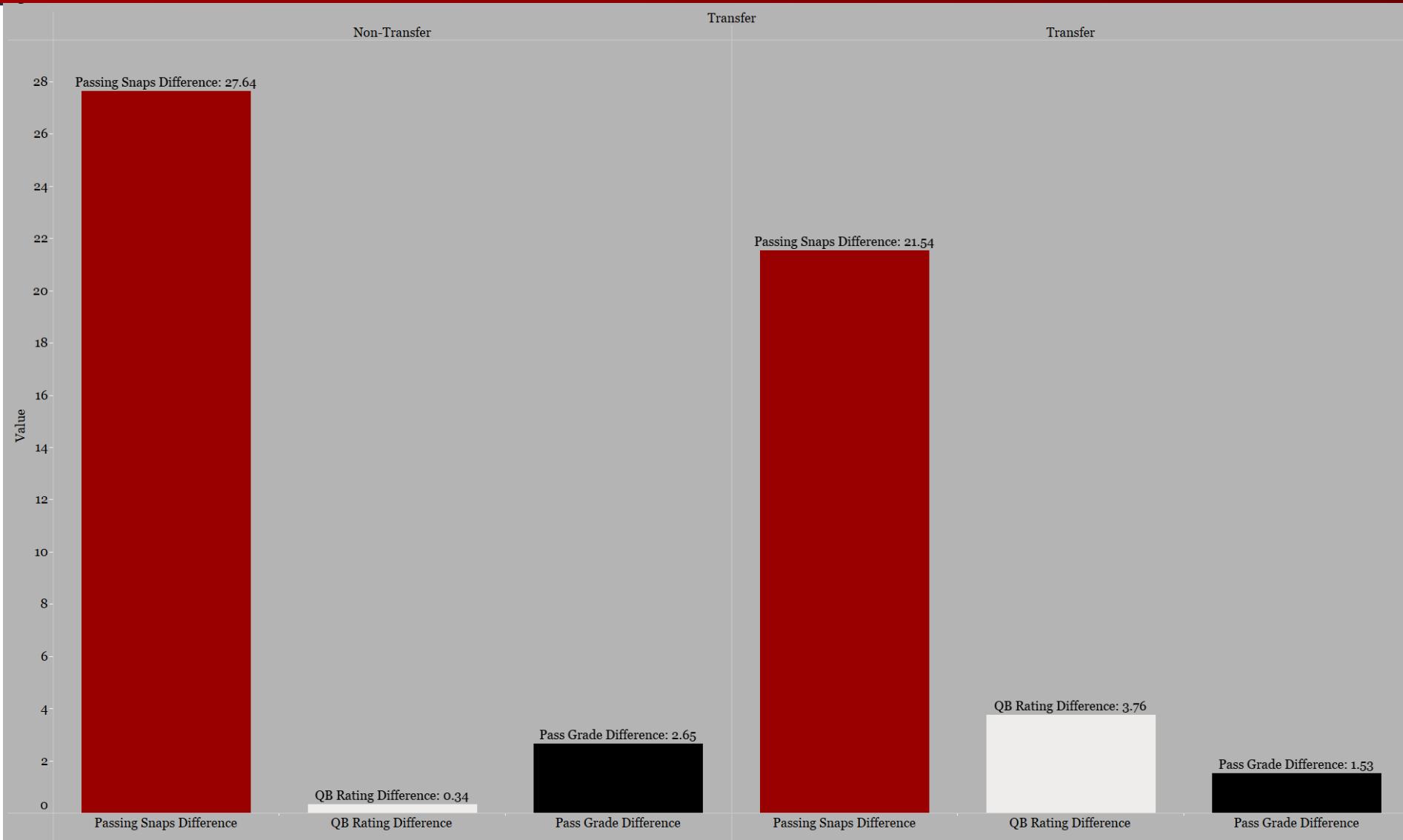


19 Moved Up

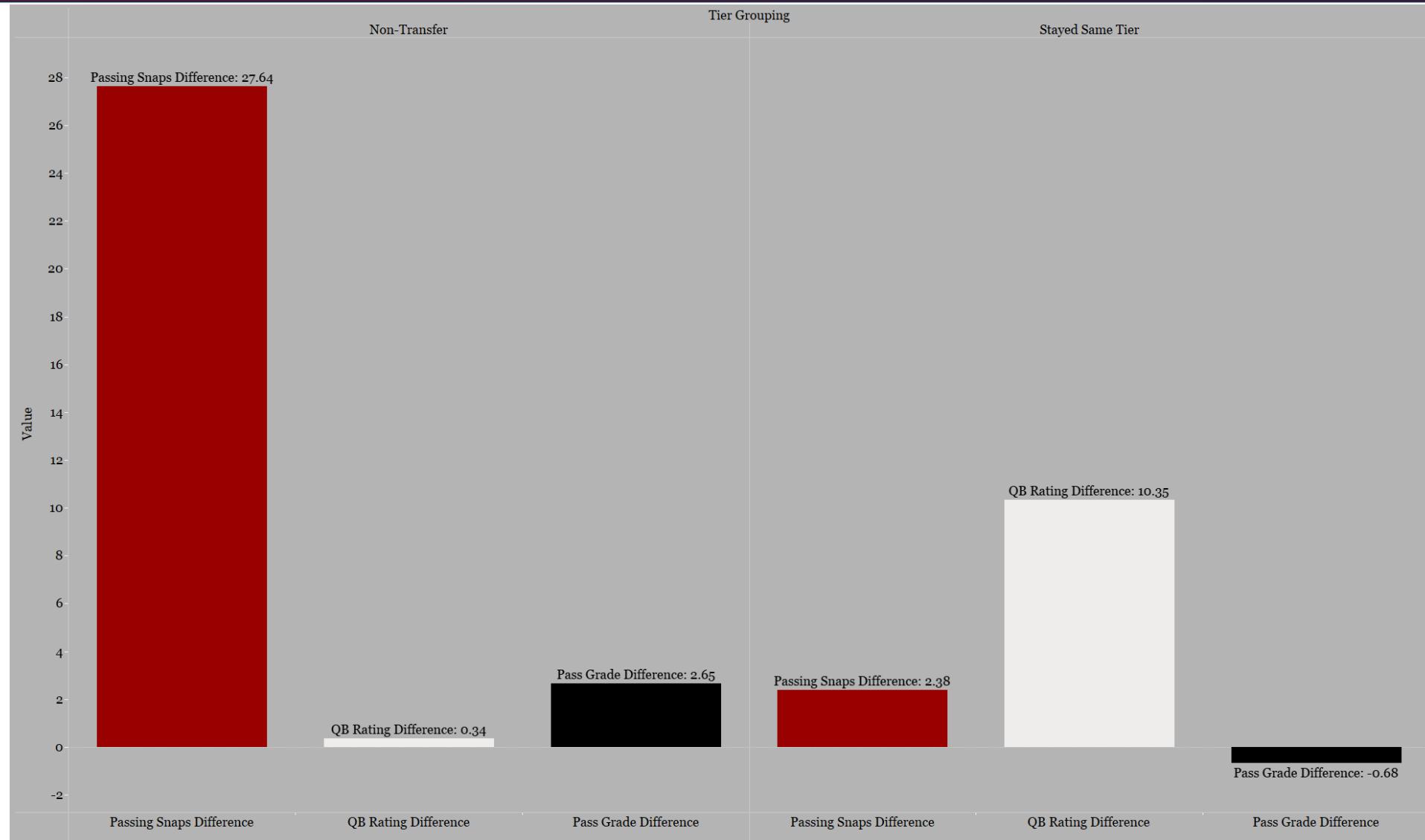
16 Stayed the  
Same

30 Moved Down

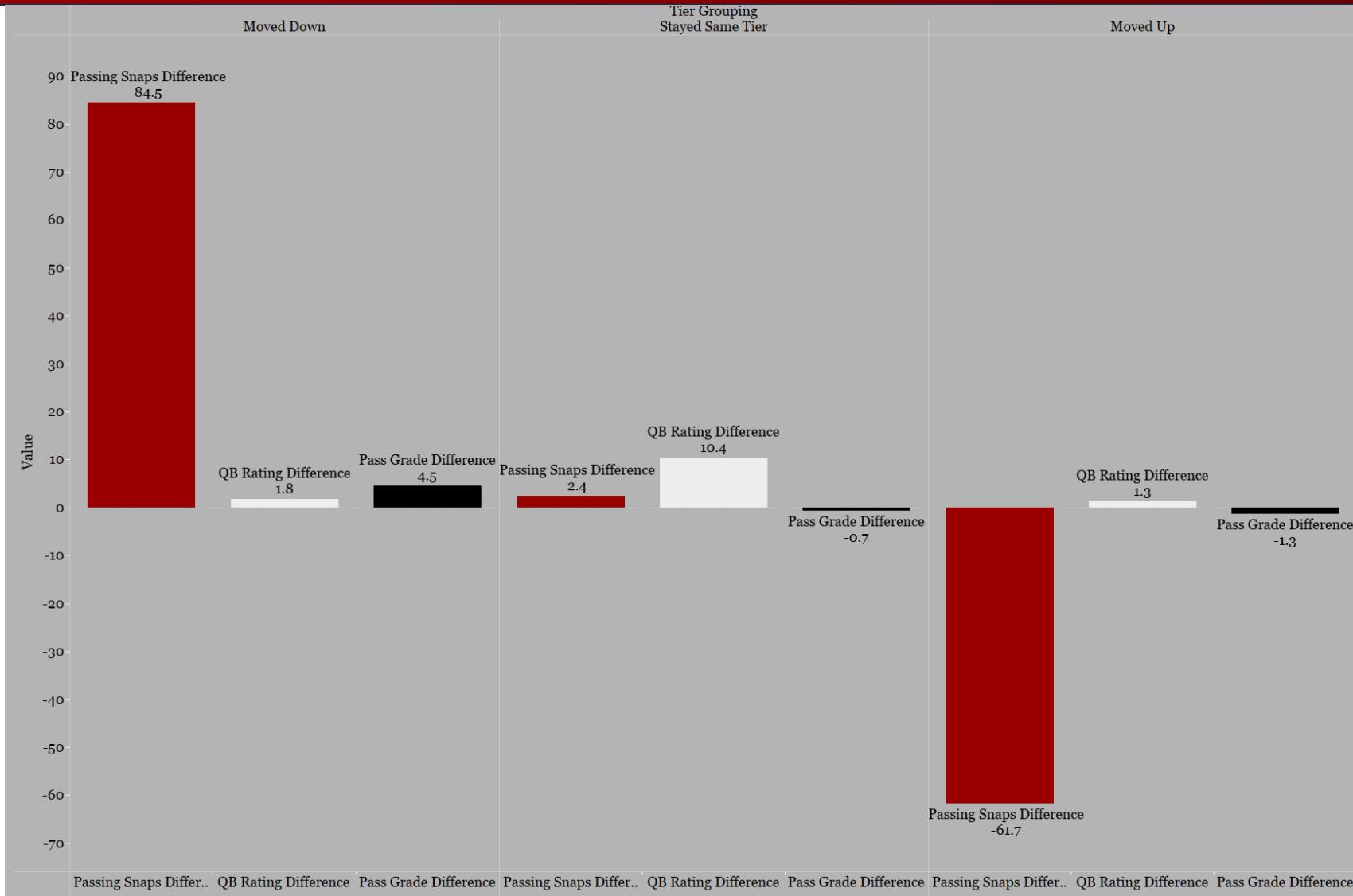
# Quarterback Non-Transfer vs Transfers



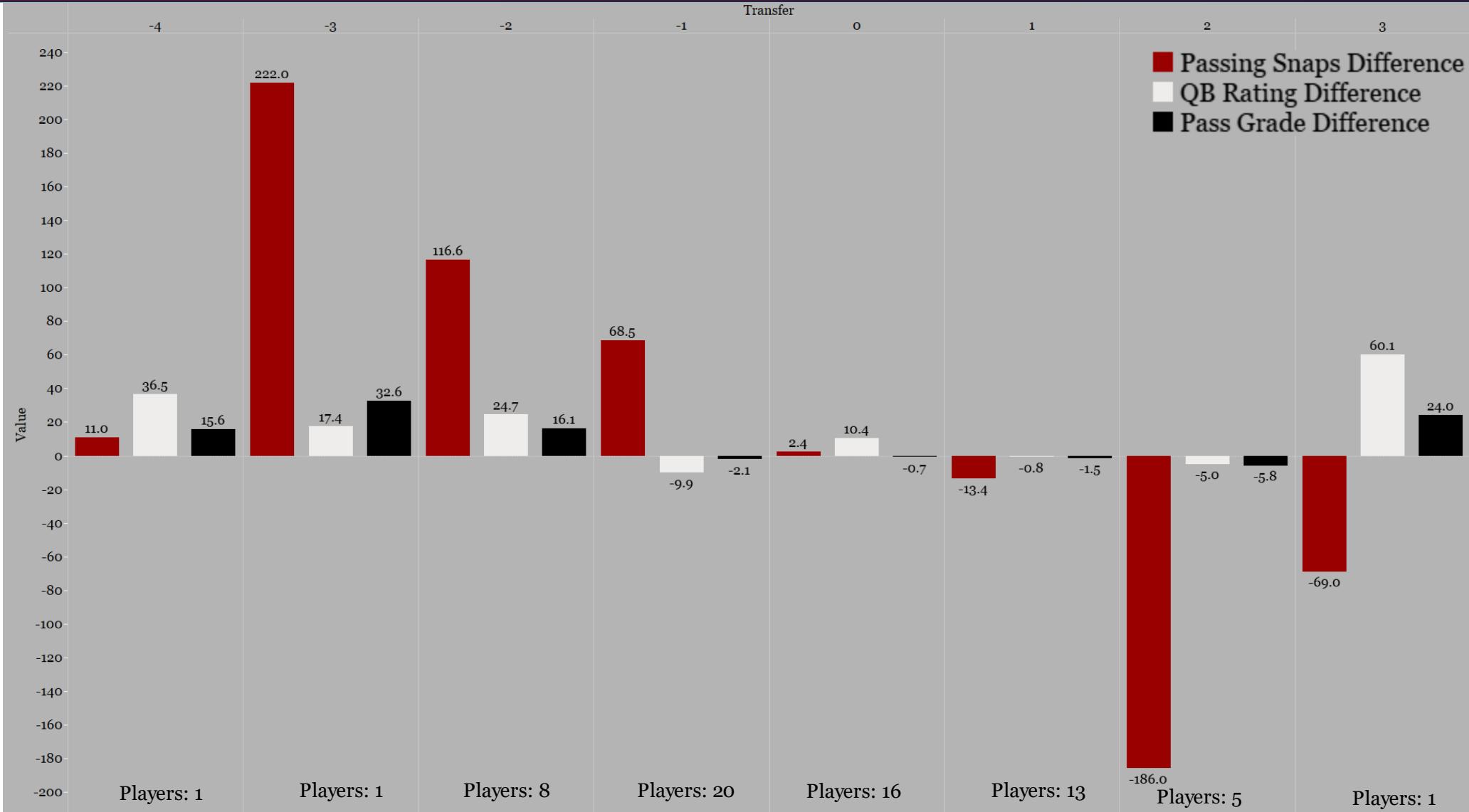
# Quarterback Non-Transfers vs Transfers – Same Level



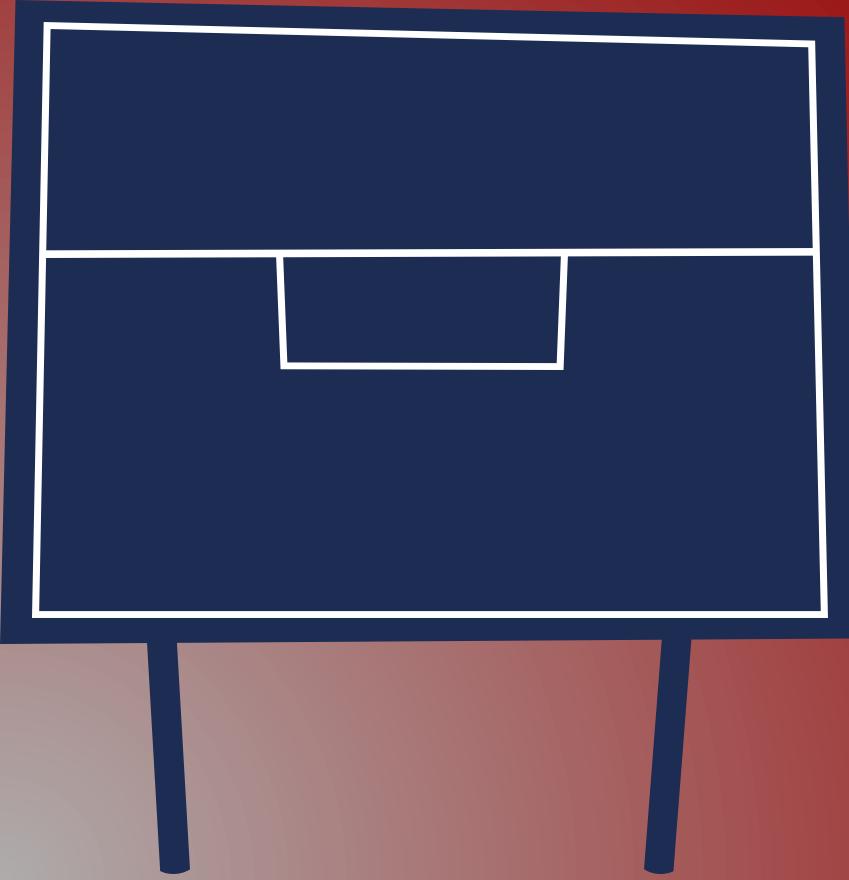
# Quarterback Transfer Comparison - Grouped



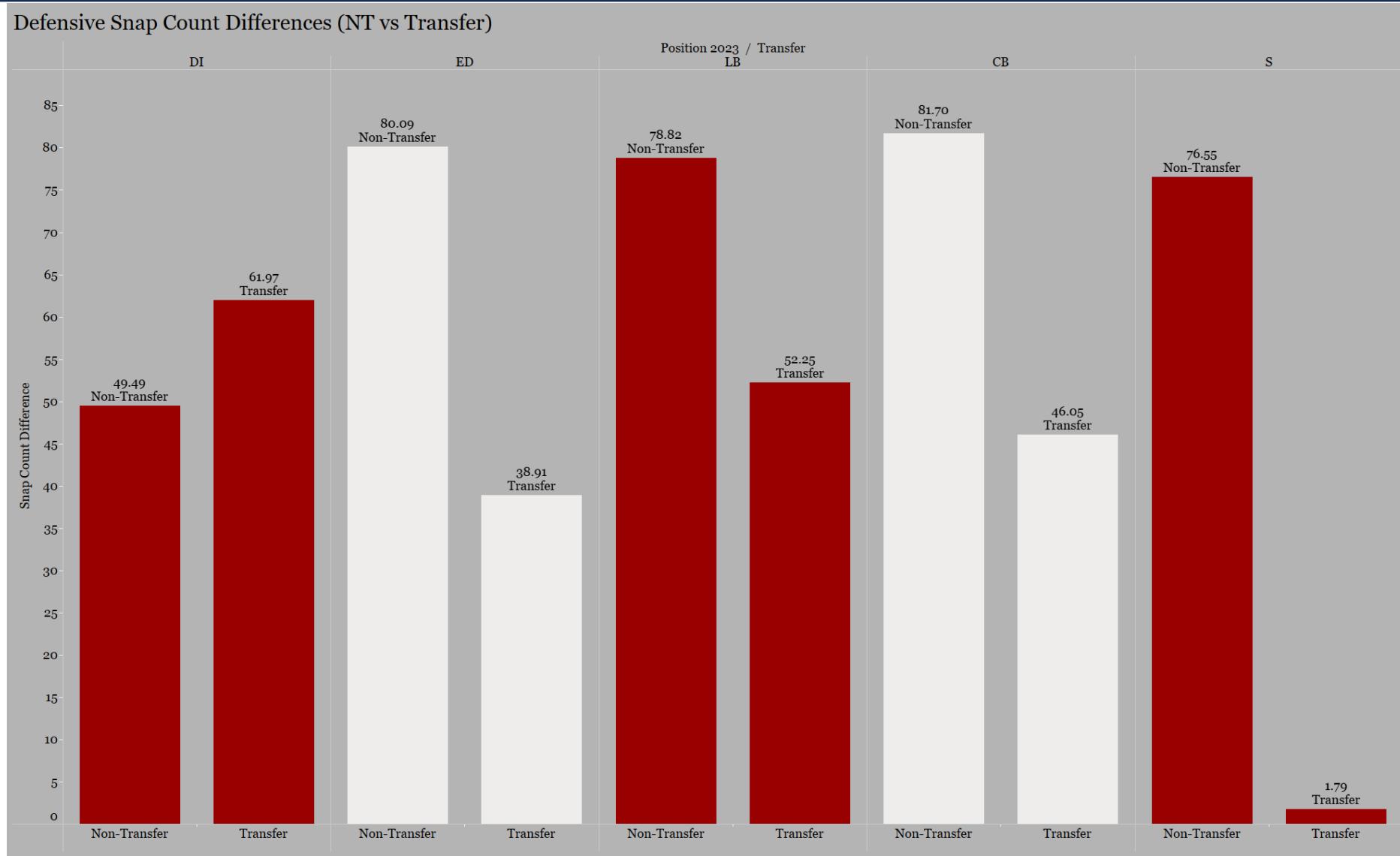
# Quarterback Transfer Comparison – By Tier Change



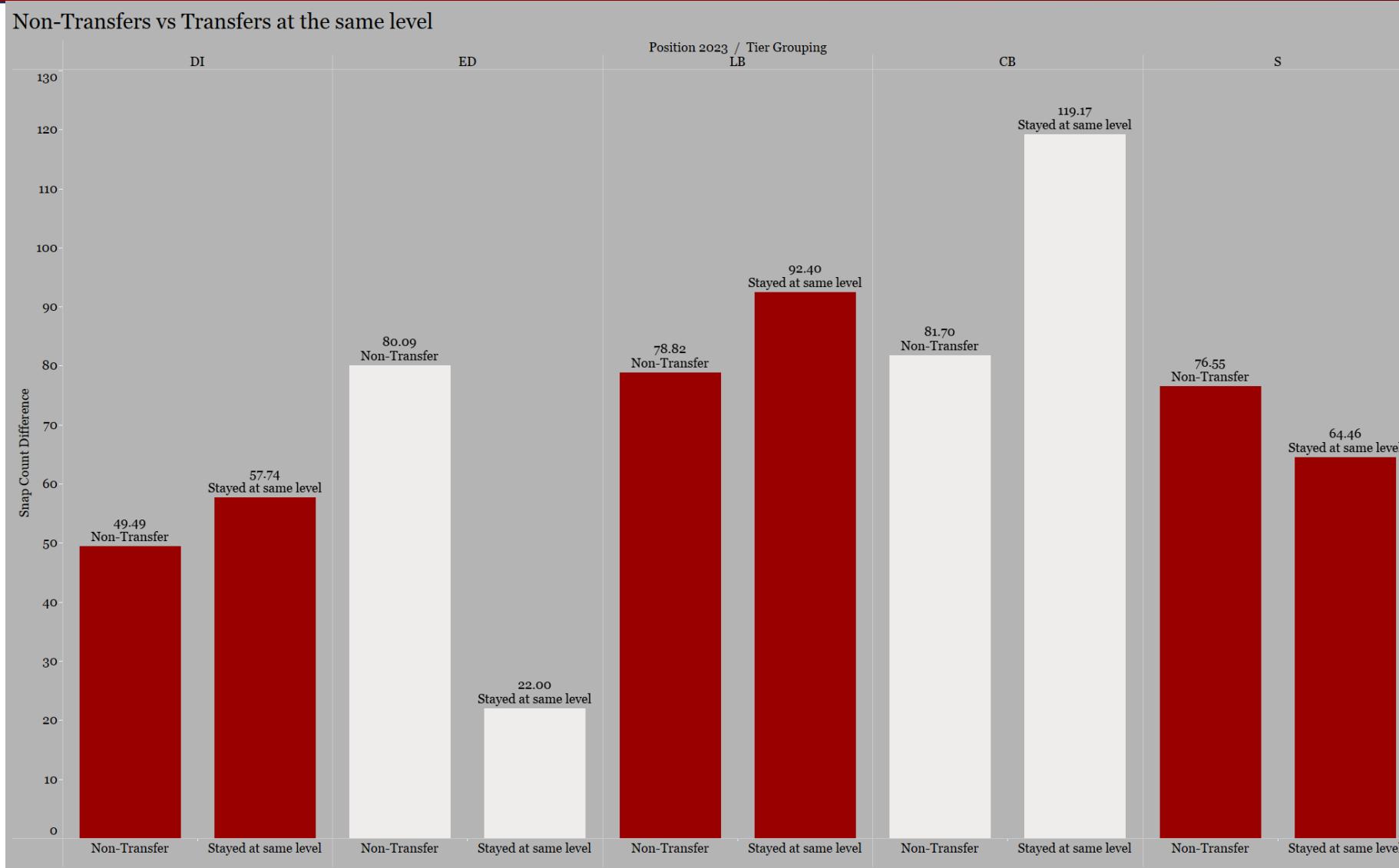
# Defense Overview



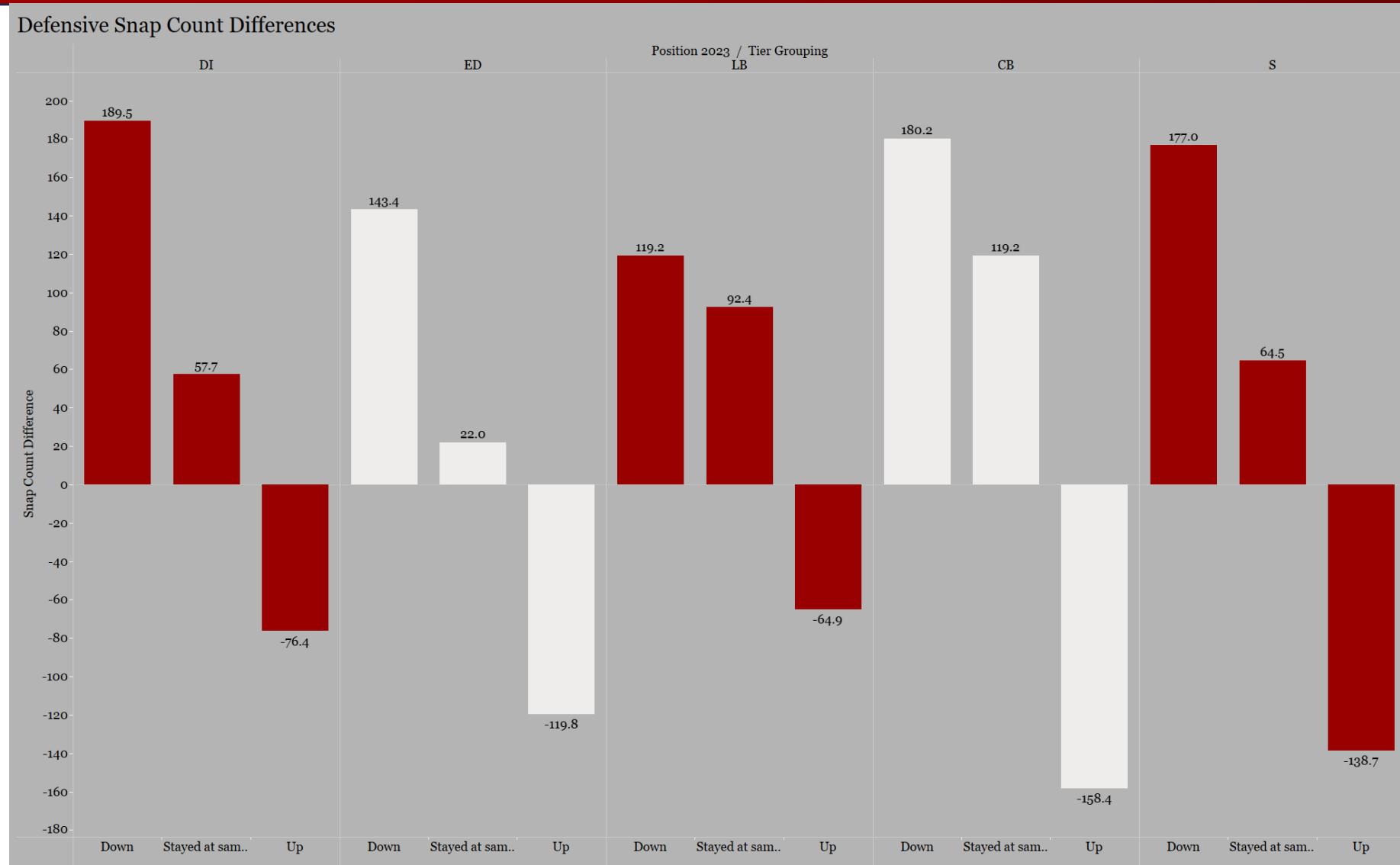
# Defensive Snap Count Overview – Non-Transfers vs Transfers



# Defensive Snap Count Overview – Non-Transfers vs Transfers at the same level



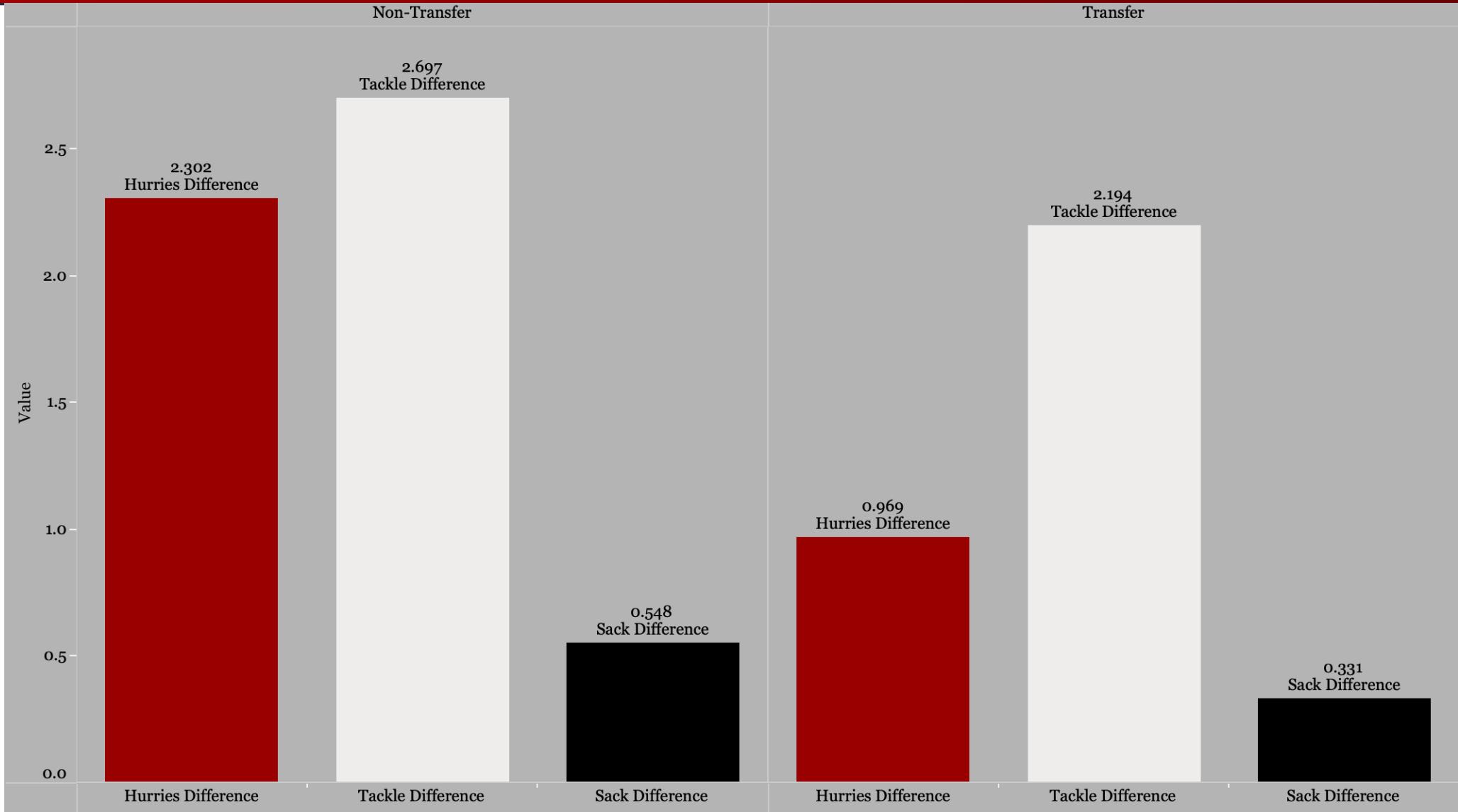
# Defensive Snap Count Overview - Grouped



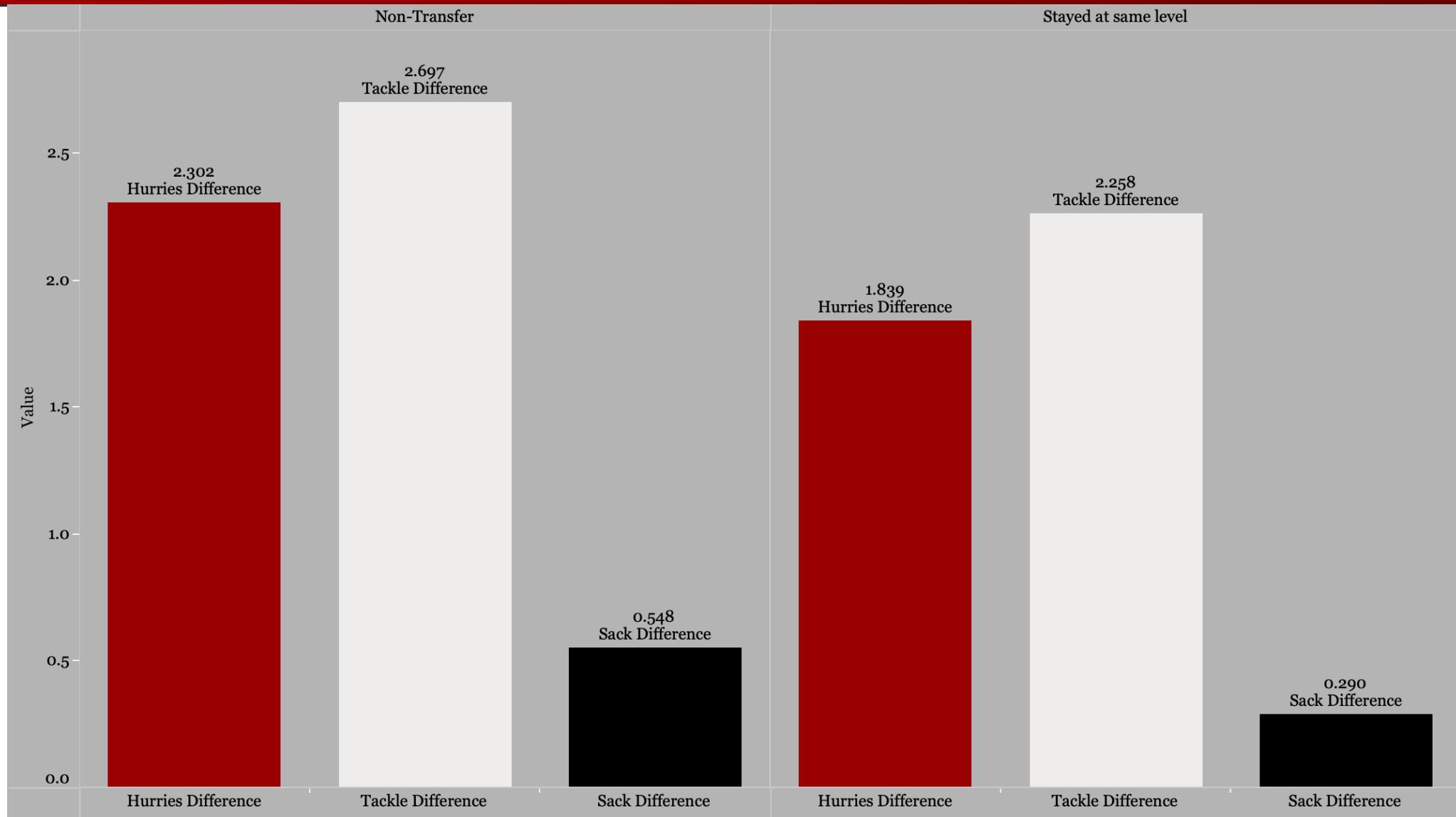
# D-Line Overview



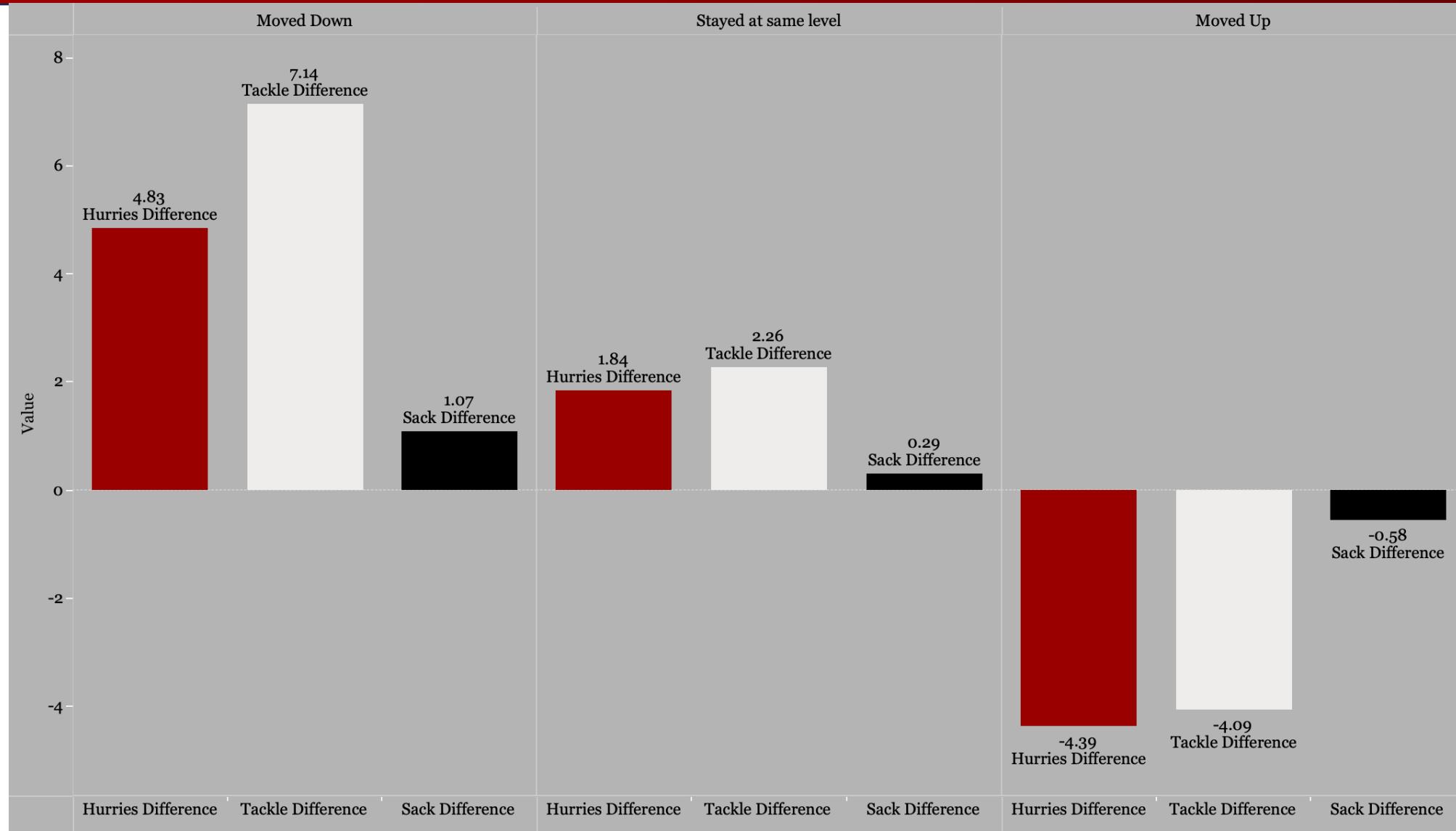
# Defensive Live Non-Transfers vs Transfers



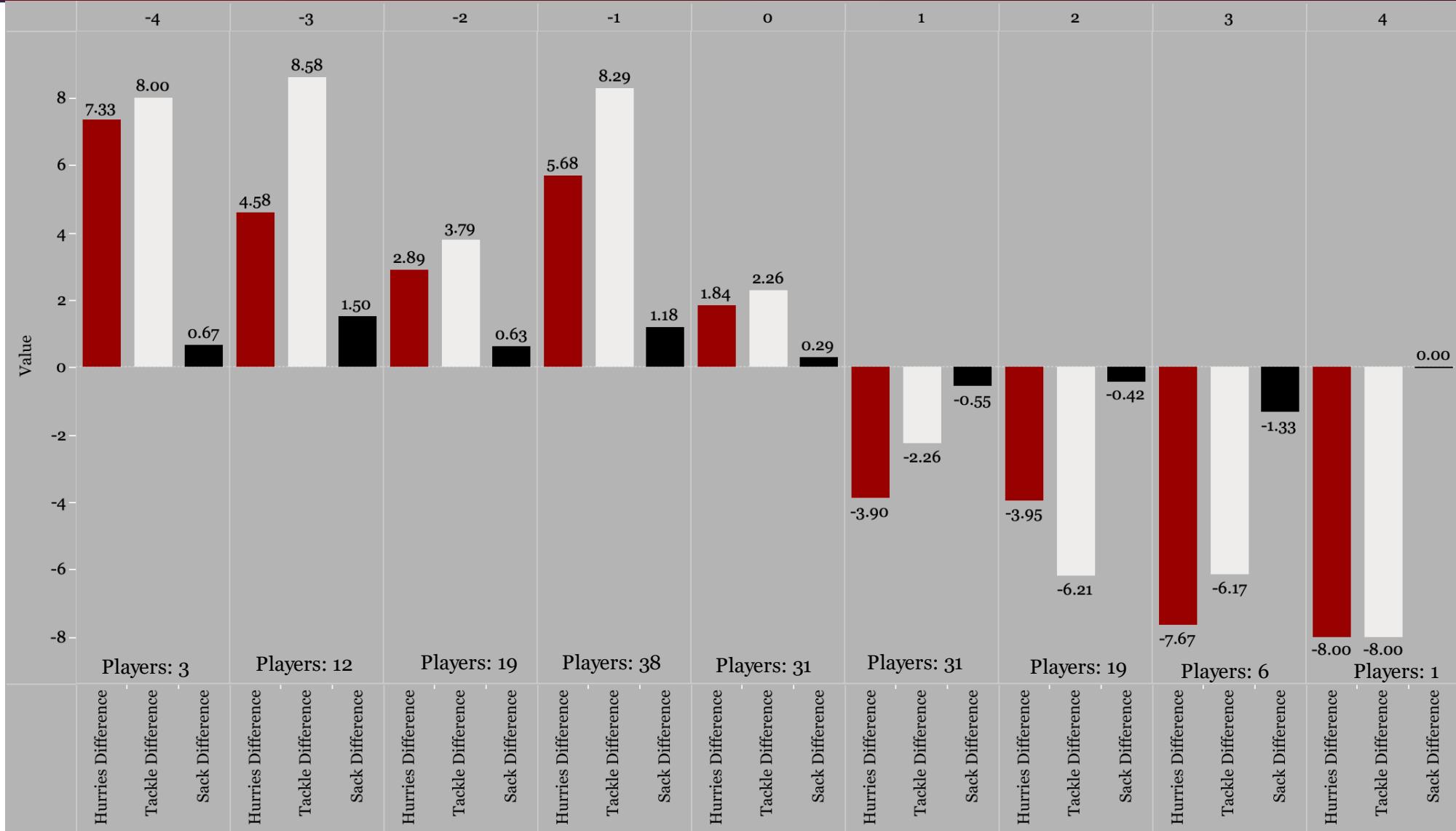
# Defensive Line Non-Transfers vs Transfers – Same Level



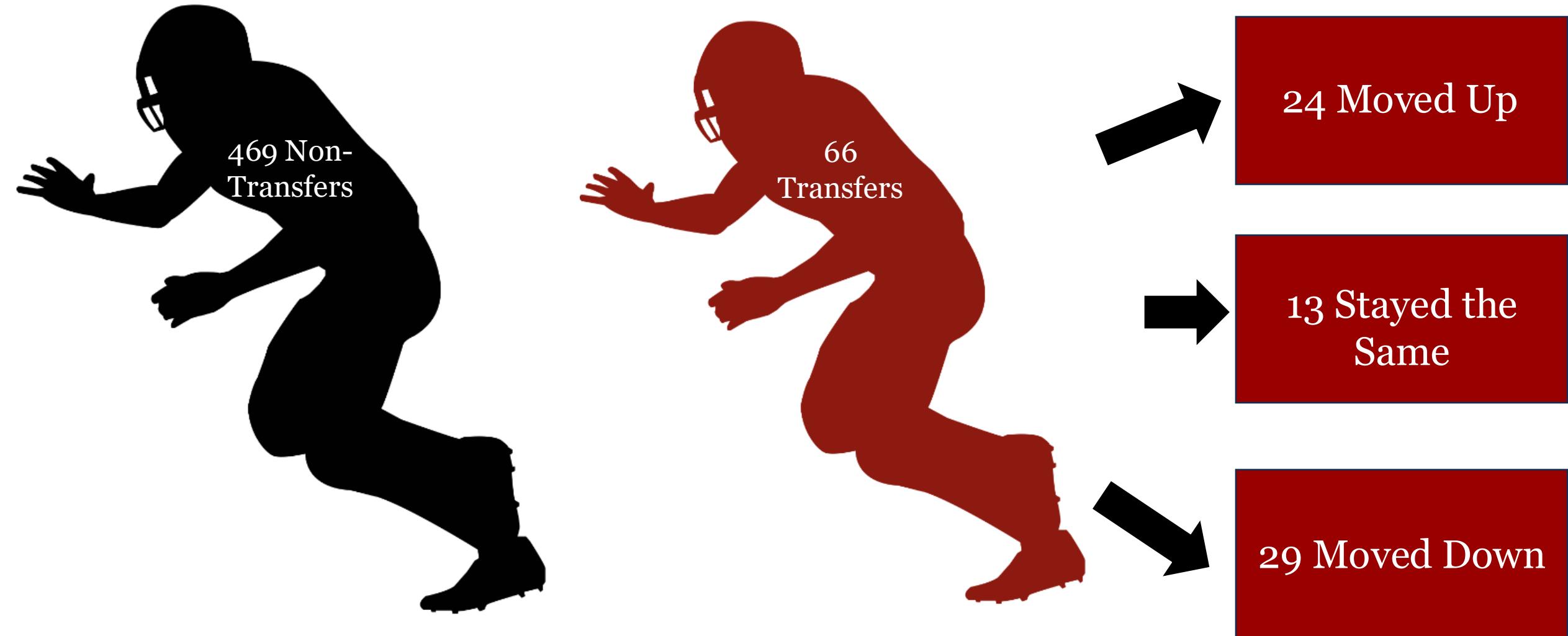
# Defensive Line Transfer Comparison - Grouped



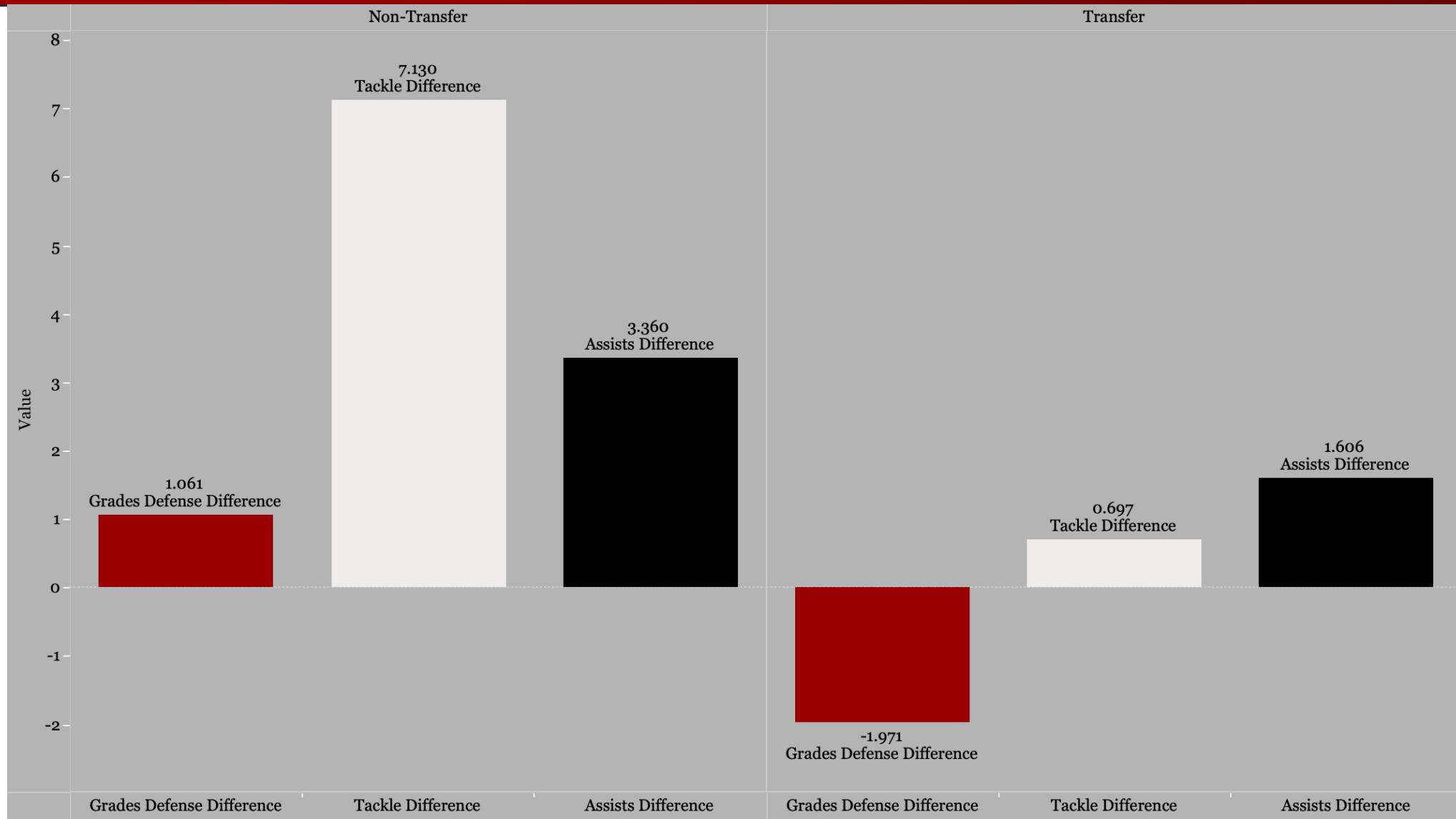
# Defensive Line Transfer Comparison – By Tier Change



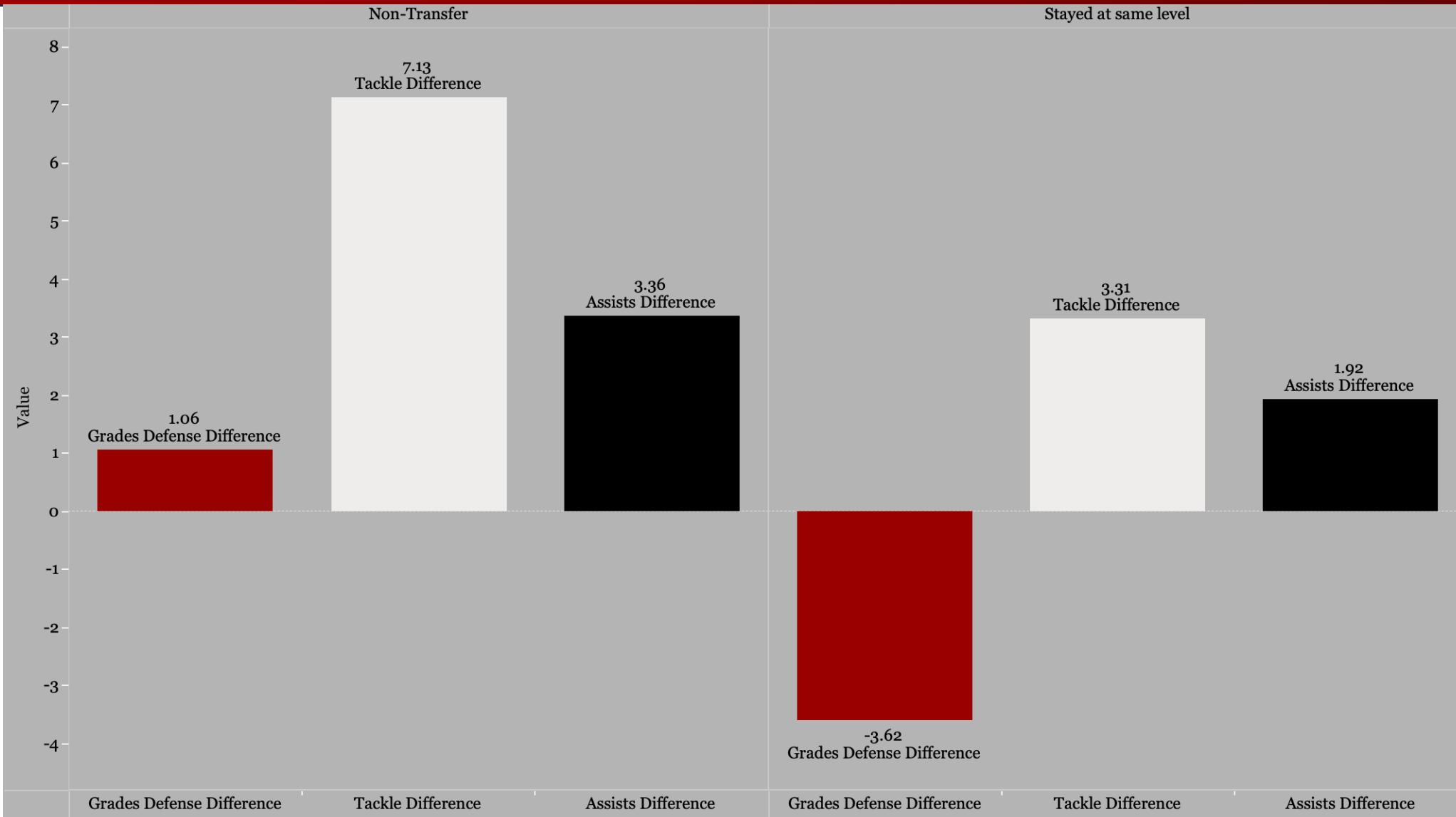
# Linebacker Overview



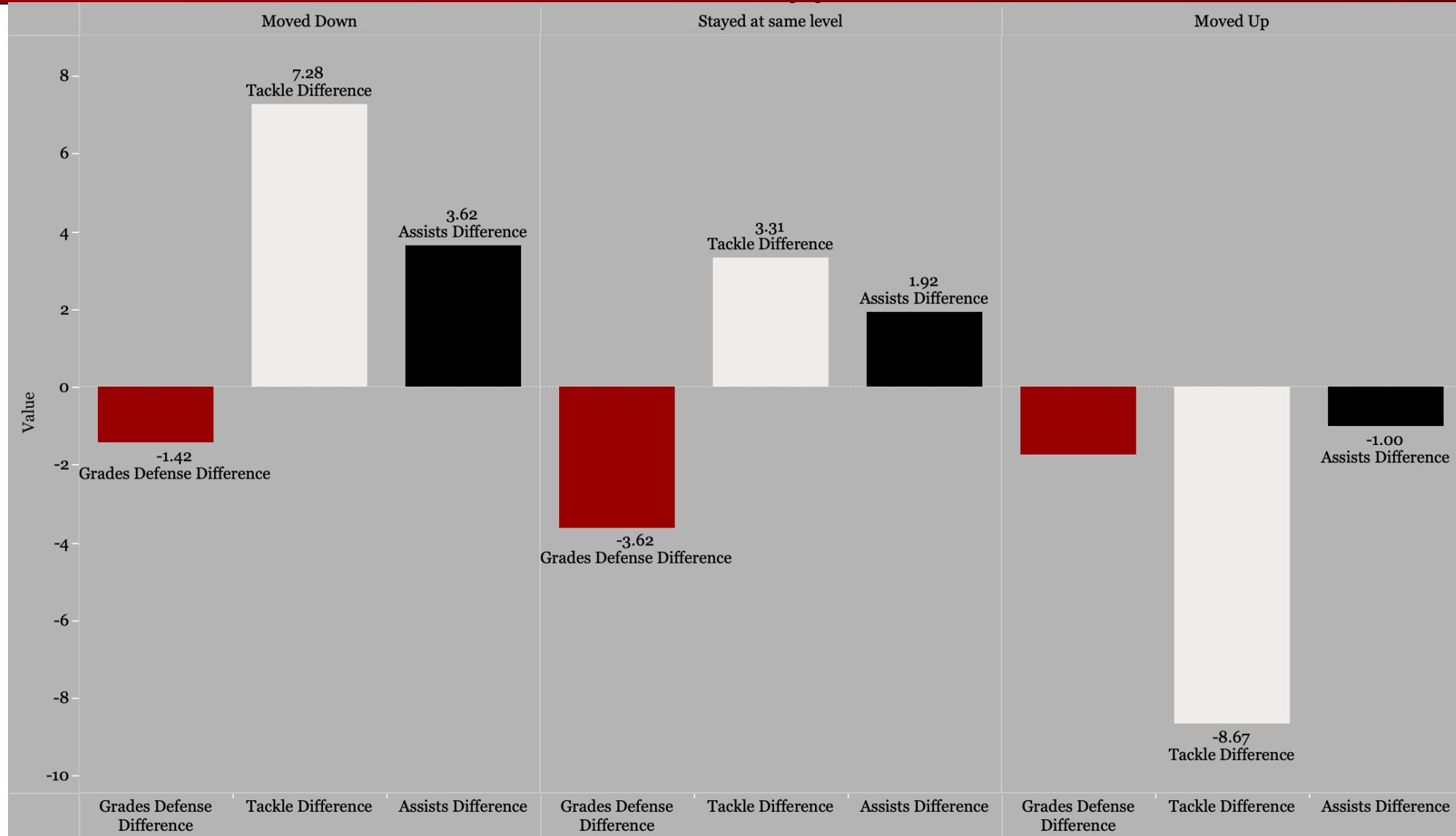
# Linebacker Non-Transfers vs Transfers



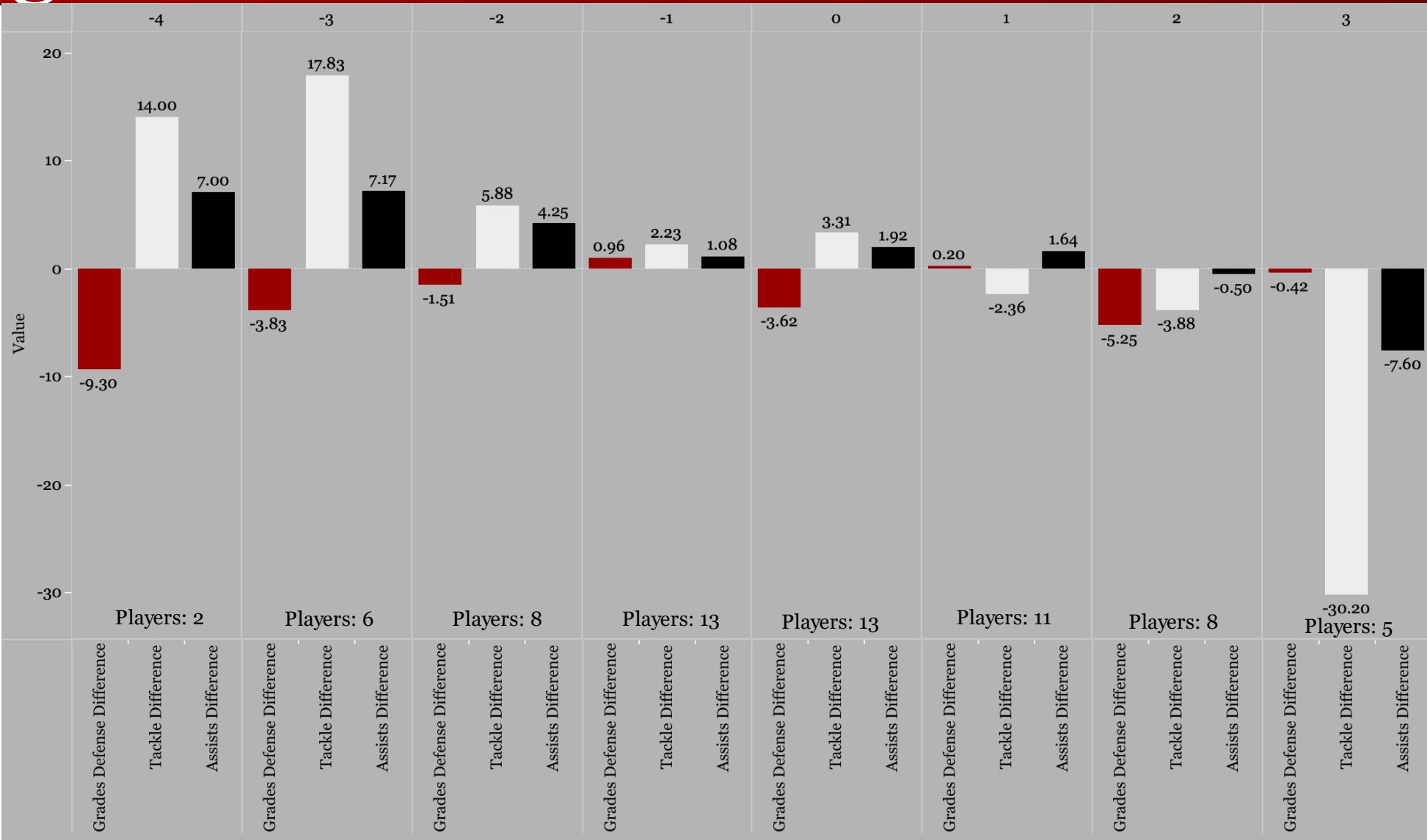
# Linebacker Non-Transfers vs Transfers – Same Level



# Linebacker Transfer Comparison - Grouped



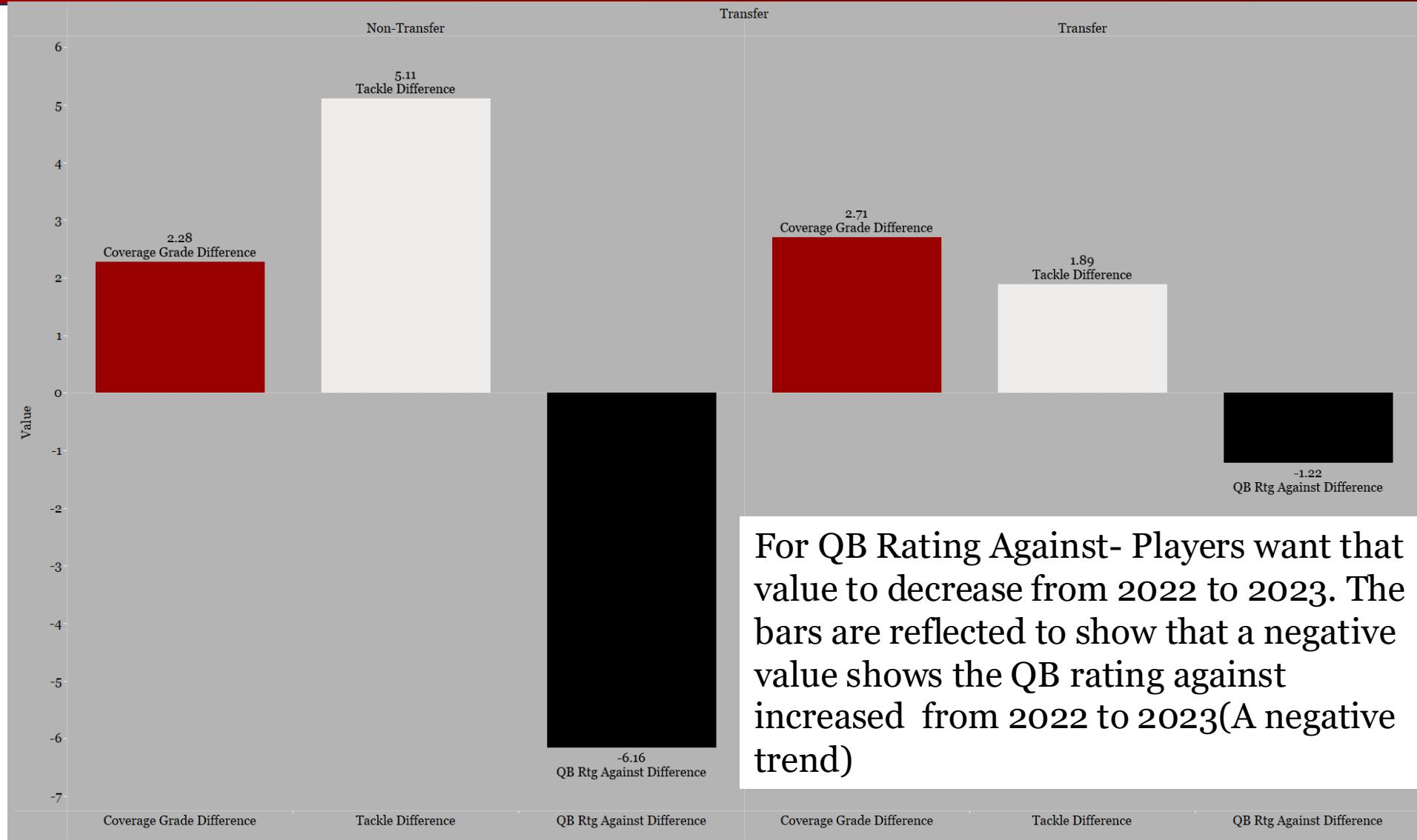
# Linebacker Transfer Comparison – By Tier Change



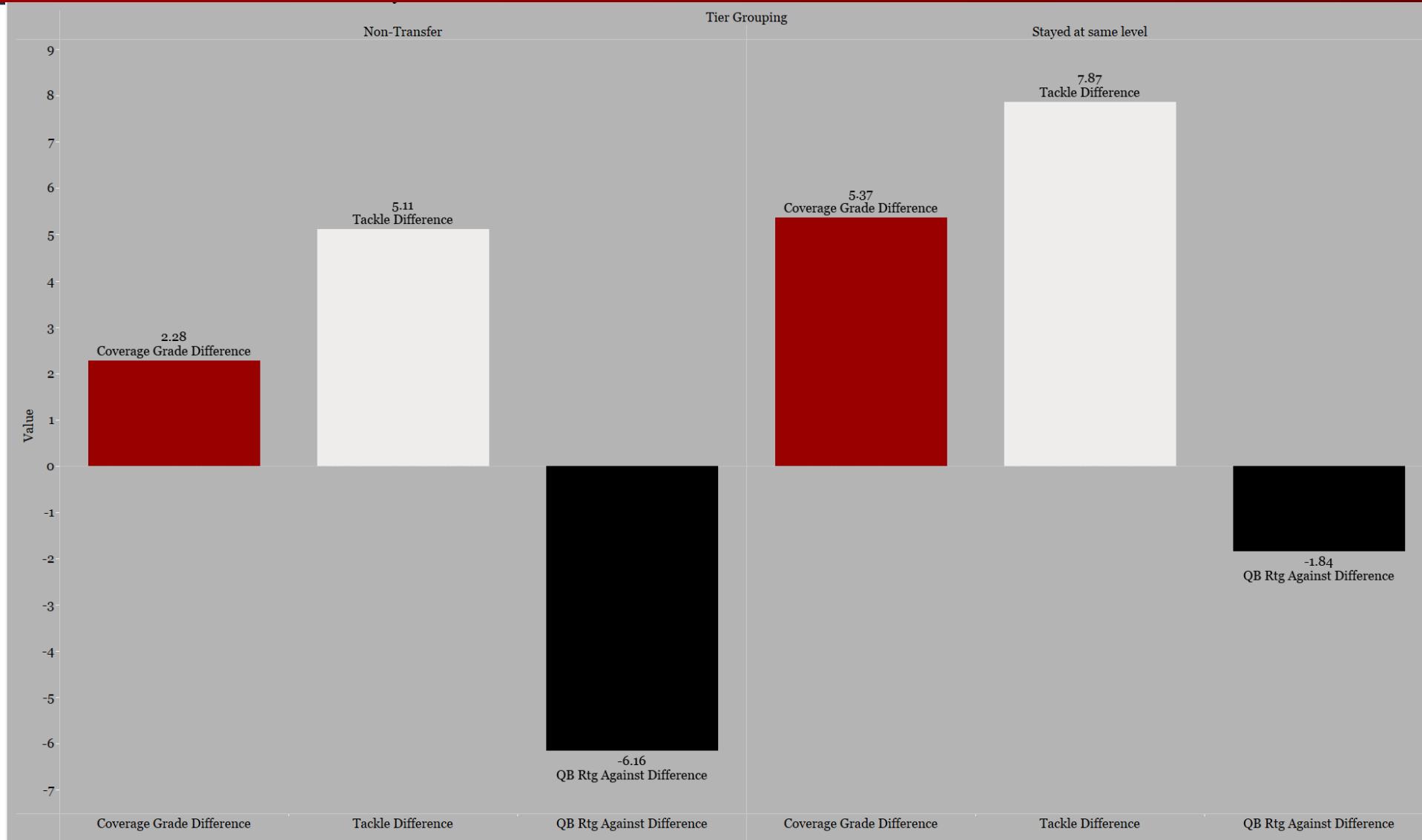
# Defensive Back Overview



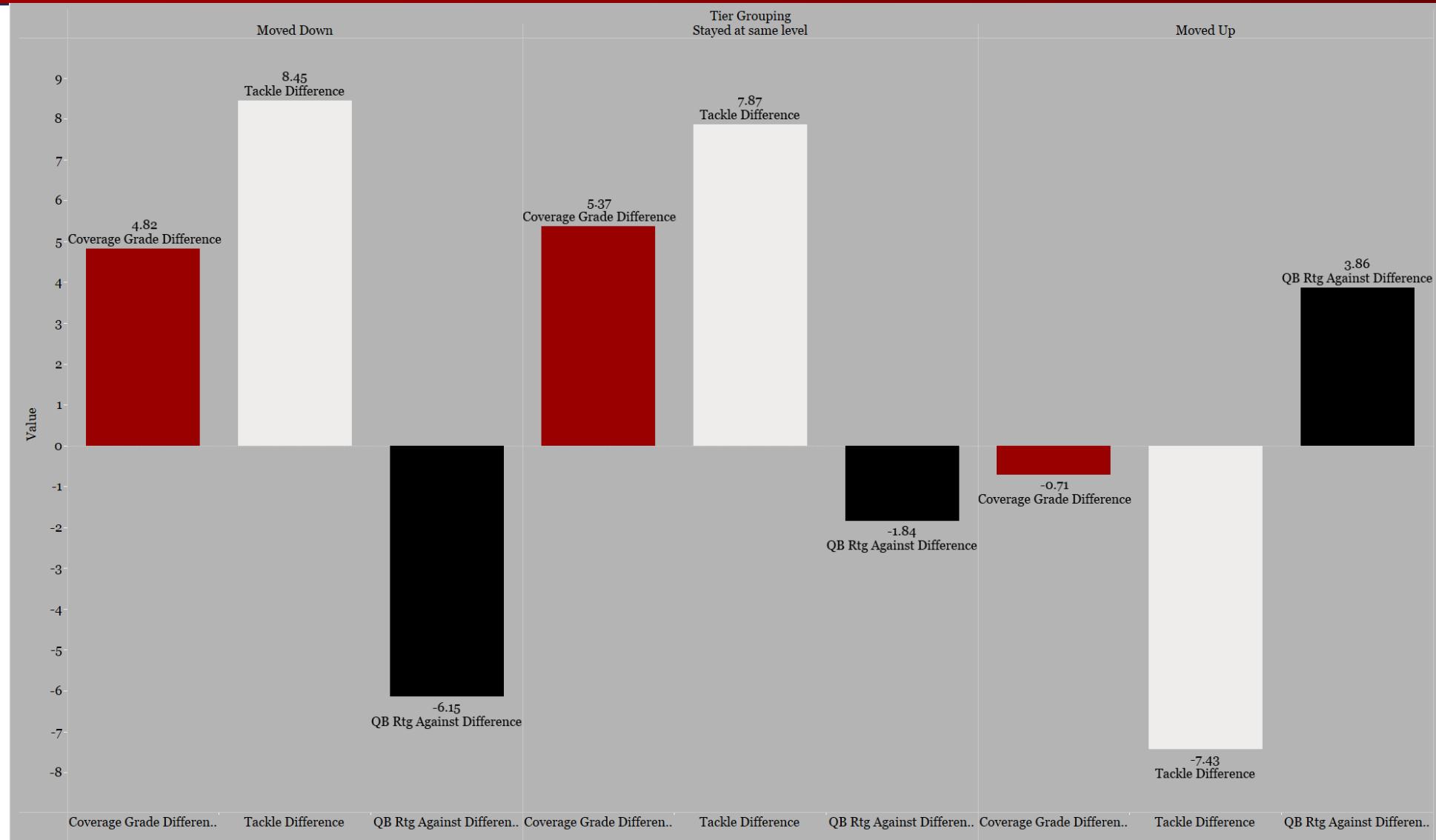
# Defensive Back Non-Transfers vs Transfers



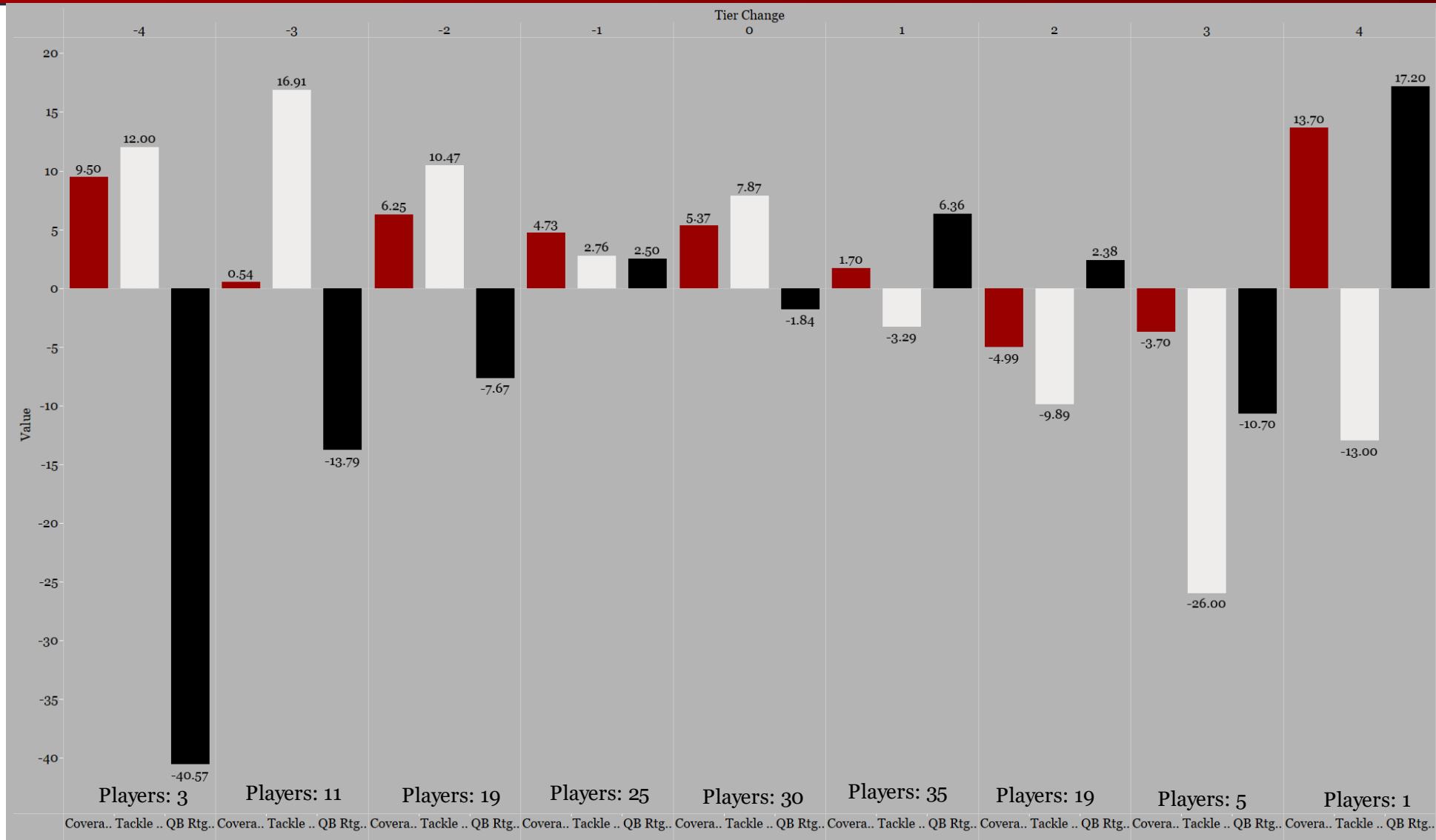
# Defensive Back Non-Transfers vs Transfers – Same Level



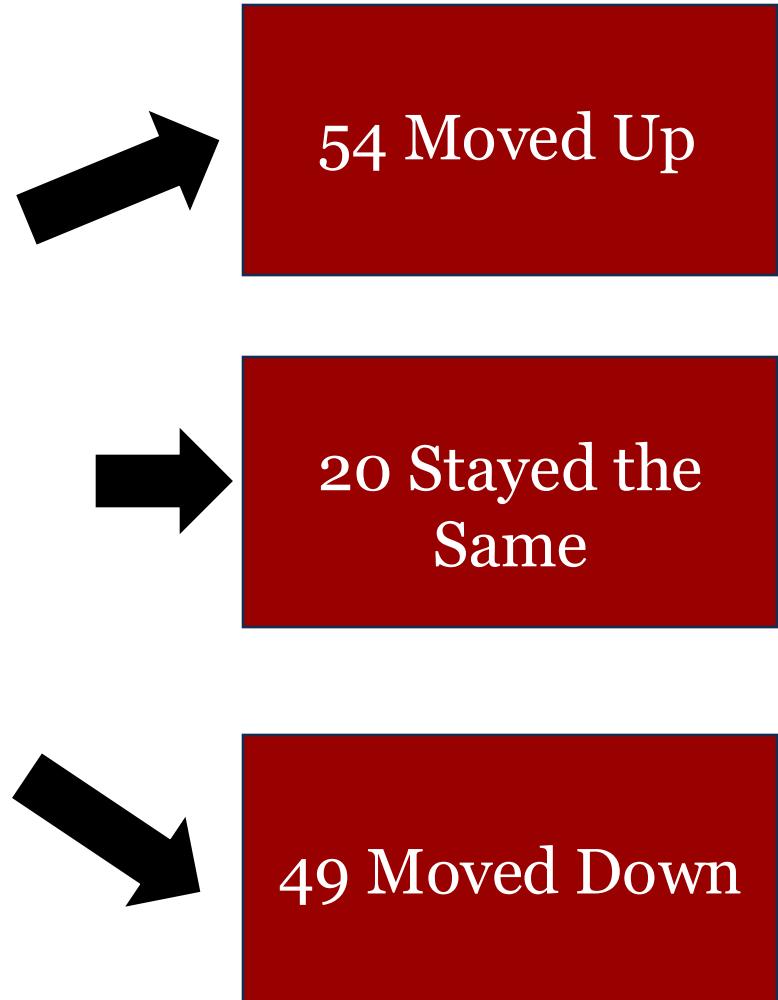
# Defensive Back Transfer Comparison - Grouped



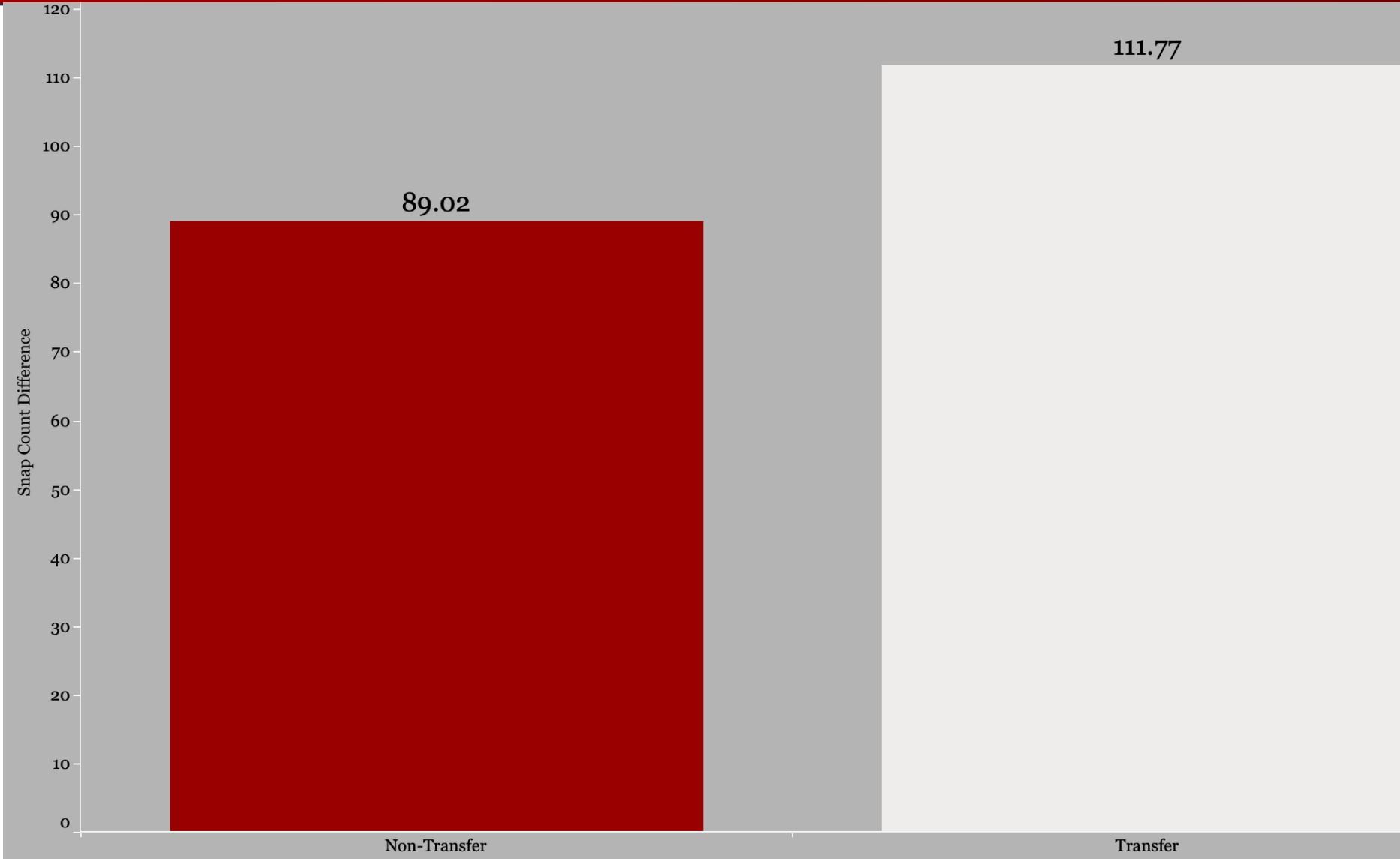
# Defensive Back Transfer Comparison – By Tier Change



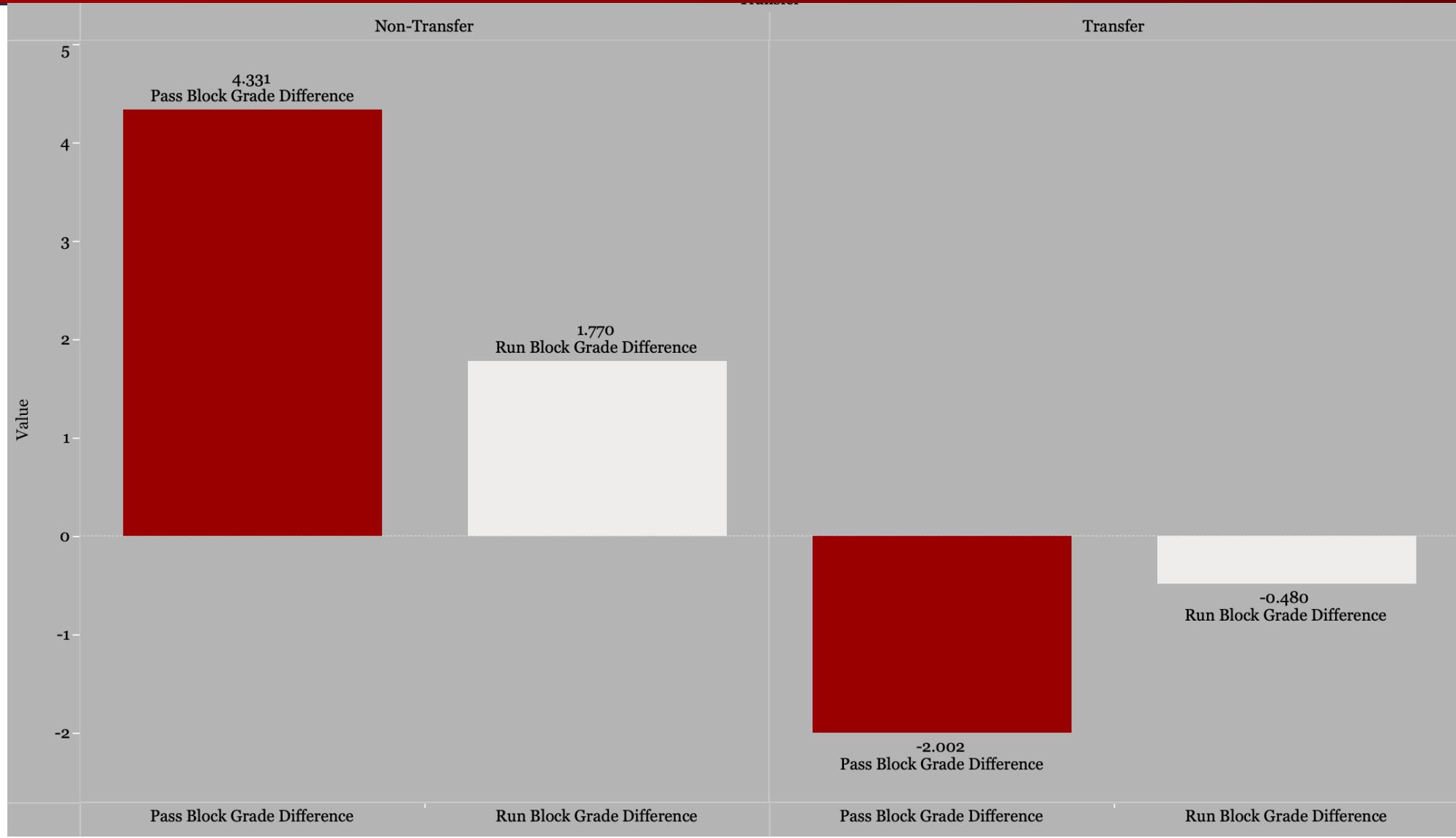
# O-Line Overview



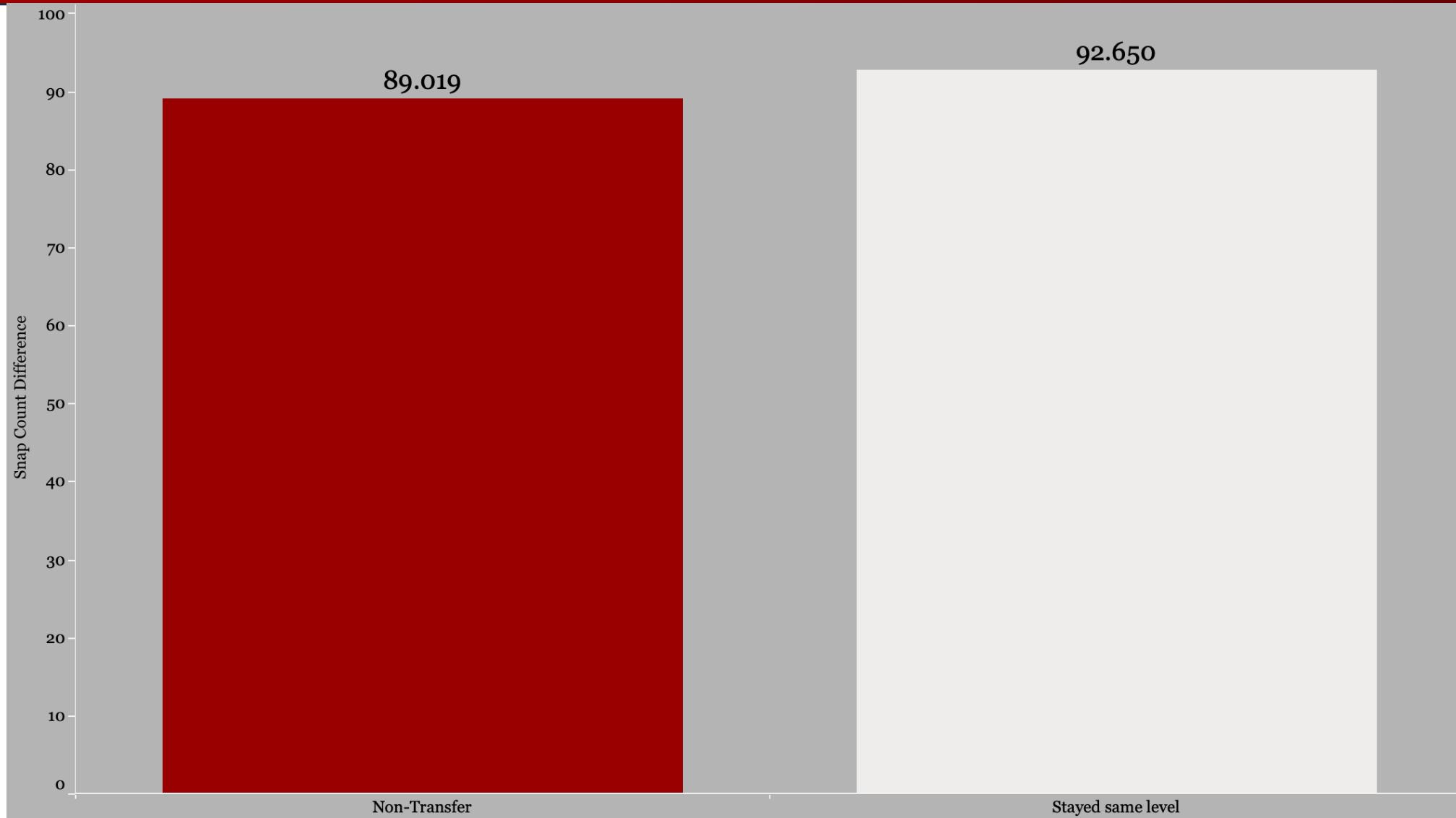
# O-Line Non-Transfers vs Transfers – Snap Counts



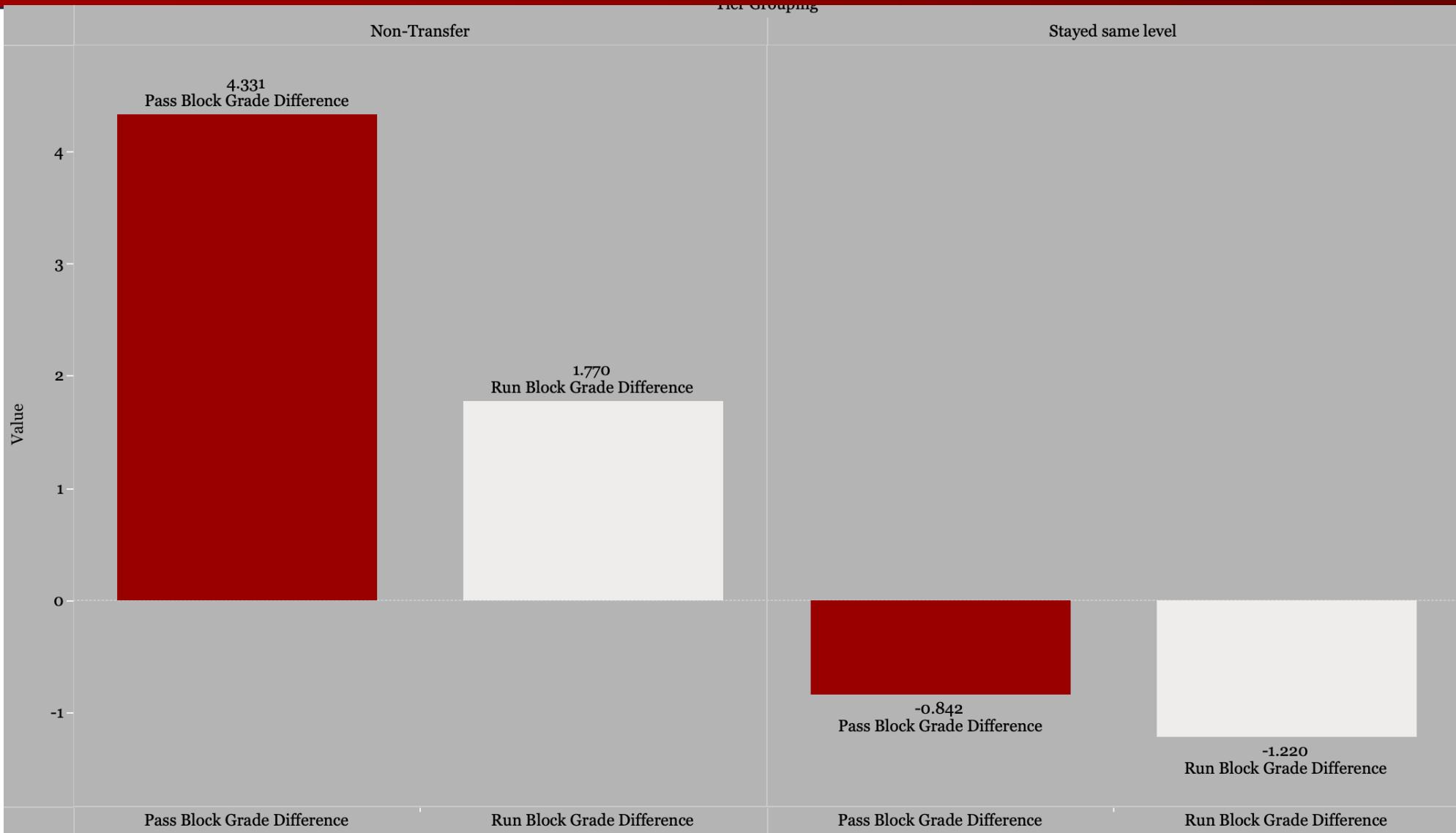
# O-Line Non-Transfers vs Transfers - Performance



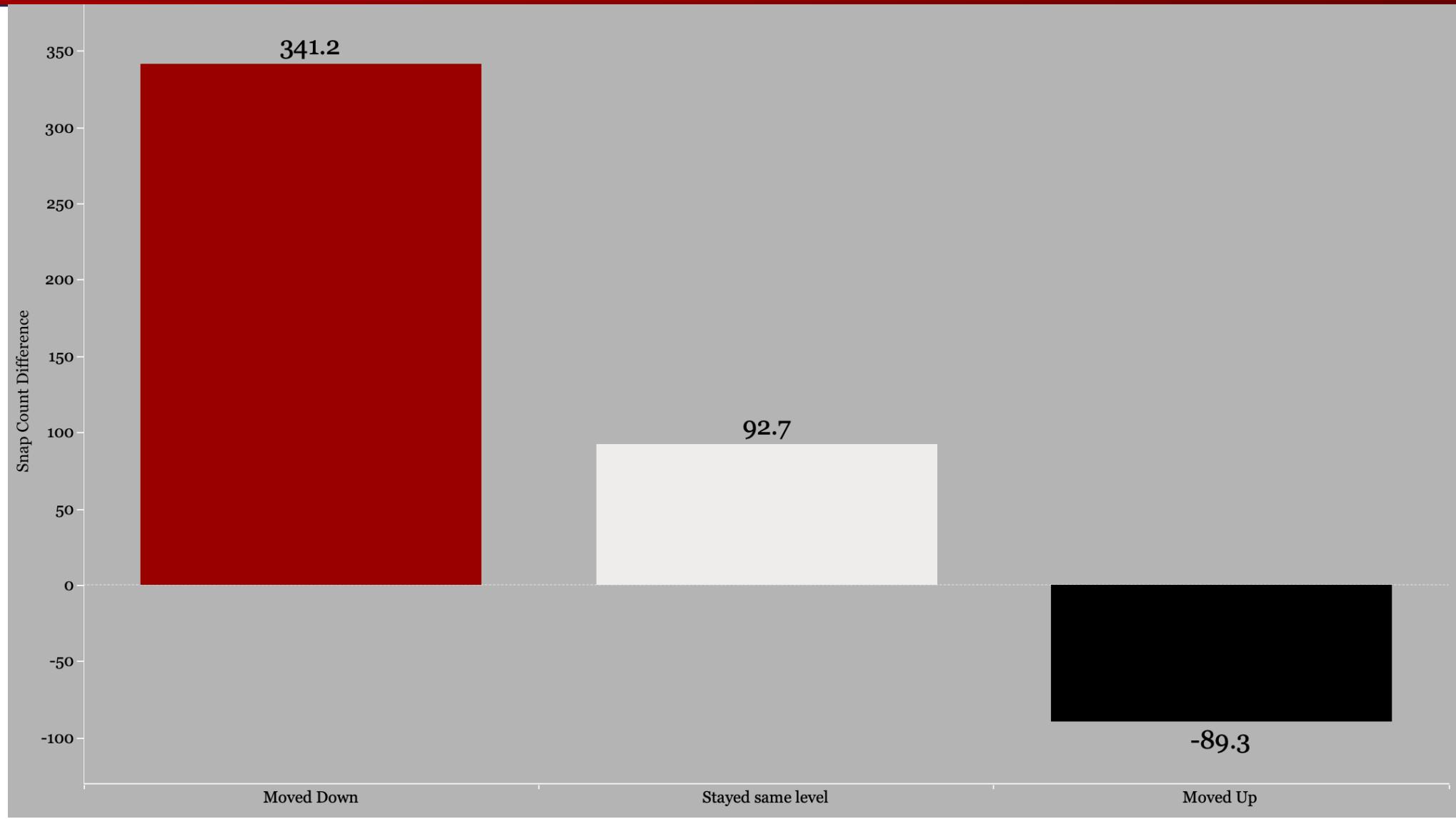
# O-Line Non-Transfers vs Transfers – Same Level – Snap Counts



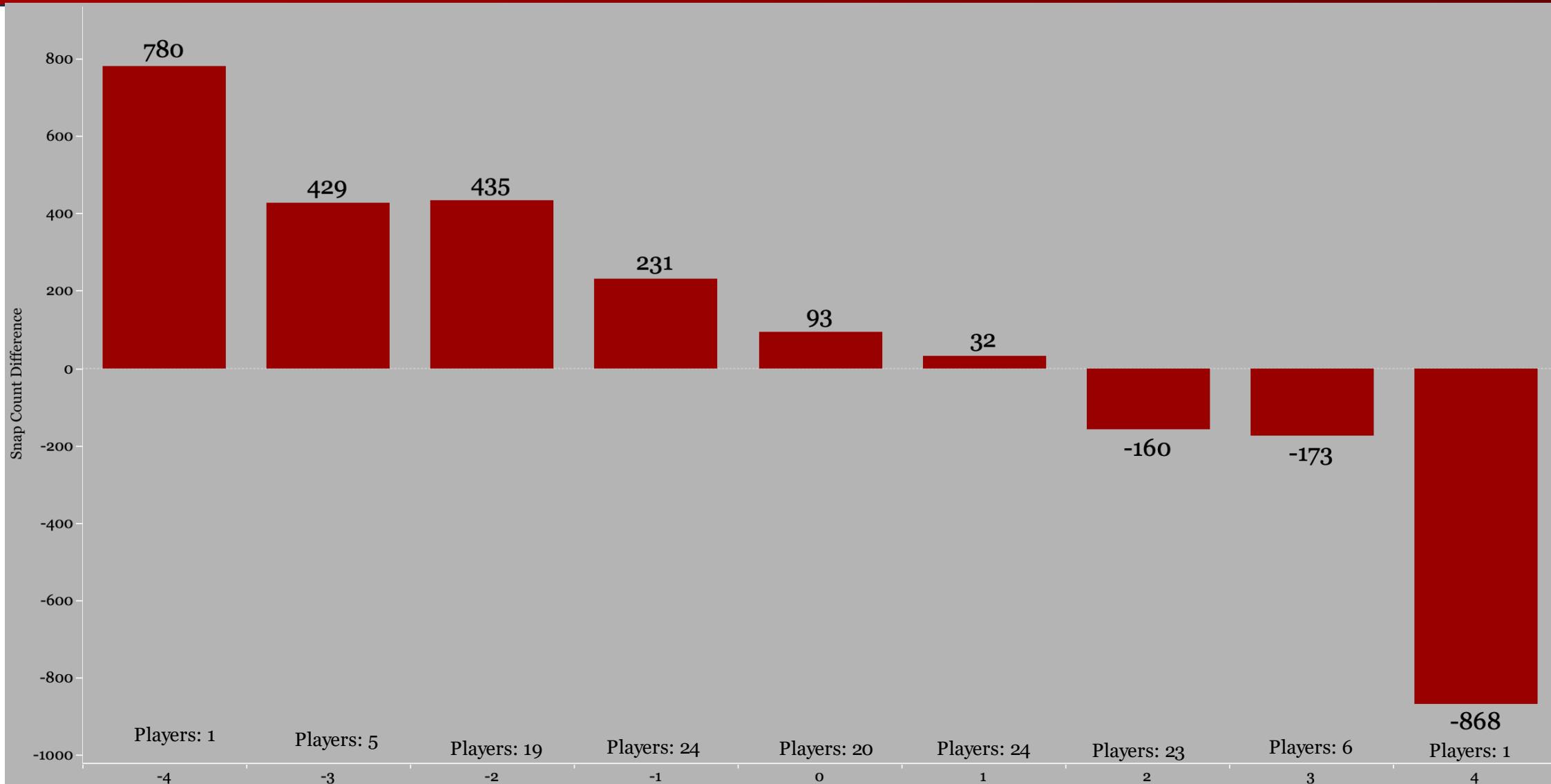
# O-Line Non-Transfers vs Transfers – Same Level - Performance



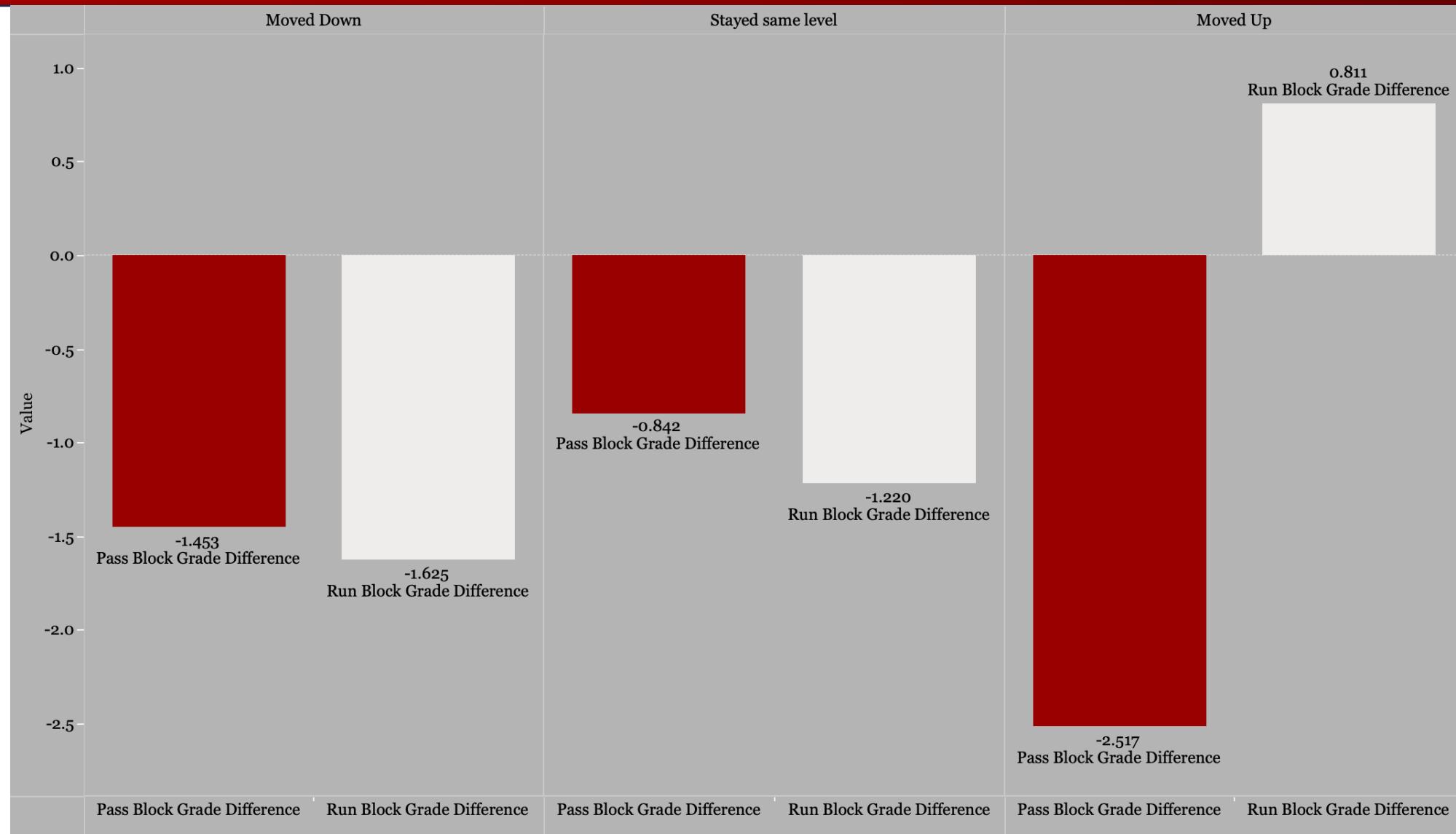
# O-Line Transfer Comparison – Grouped - Snap Counts



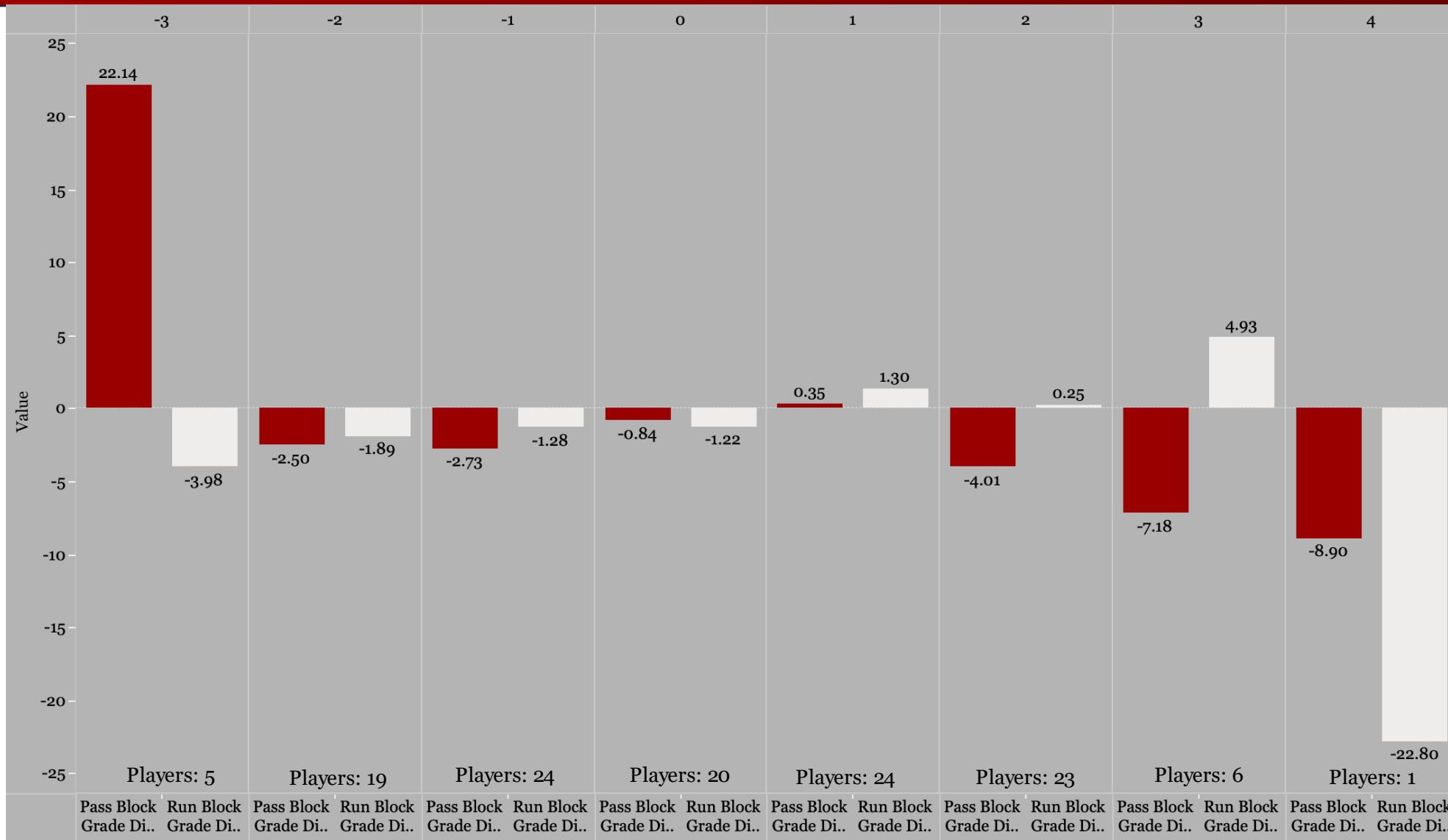
# O-Line Transfer Comparison – By Tier Change - Snap Counts



# O-Line Transfer Comparison - Grouped - Performance

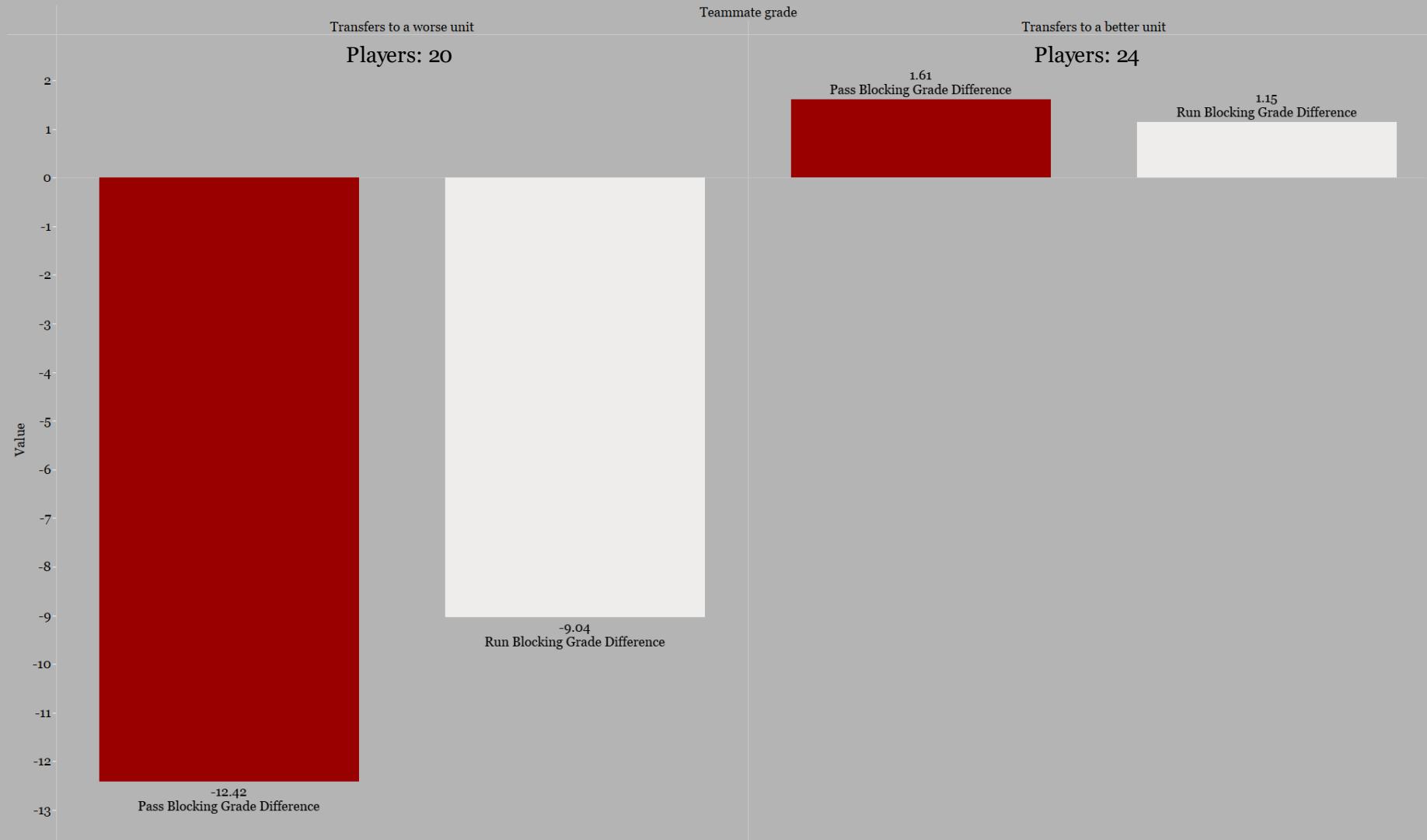


# O-Line Transfer Comparison – By Tier Change - Performance



# O-Line Special Analysis

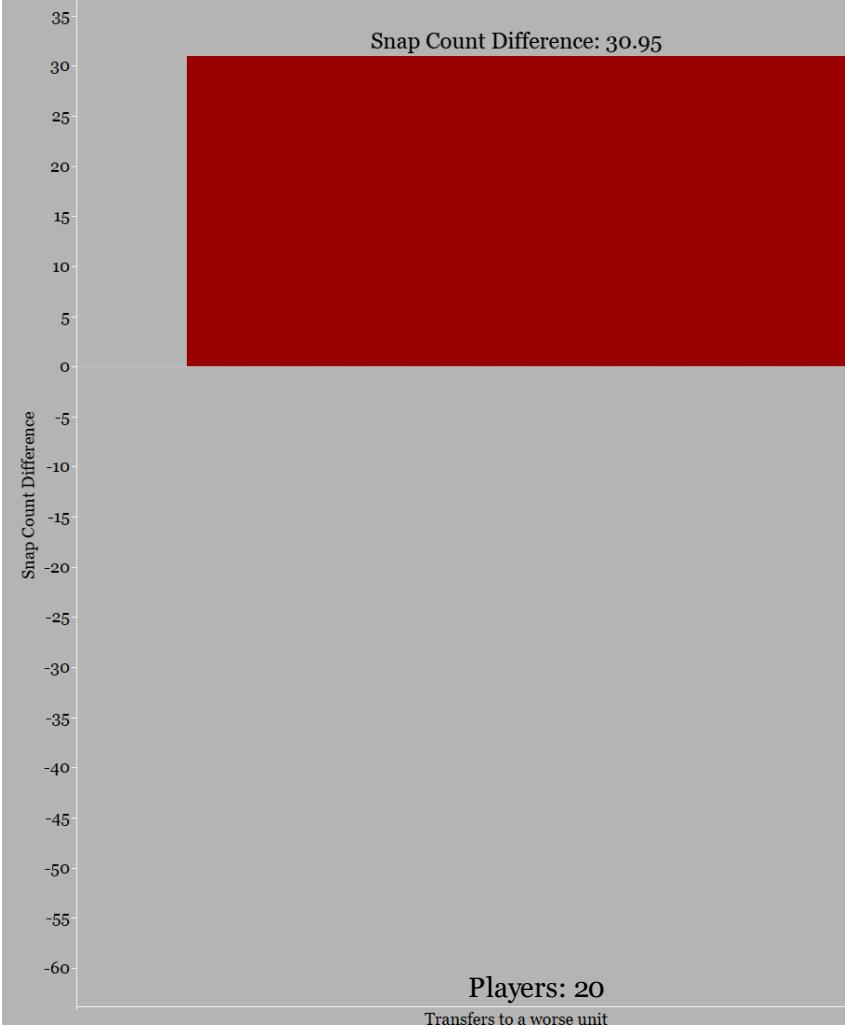
Offensive Line Performance and Team Blocking Performance



# O-Line Special Analysis

Offensive Line Performance and Team Blocking Performance - Snap Count Difference

Teammate grade

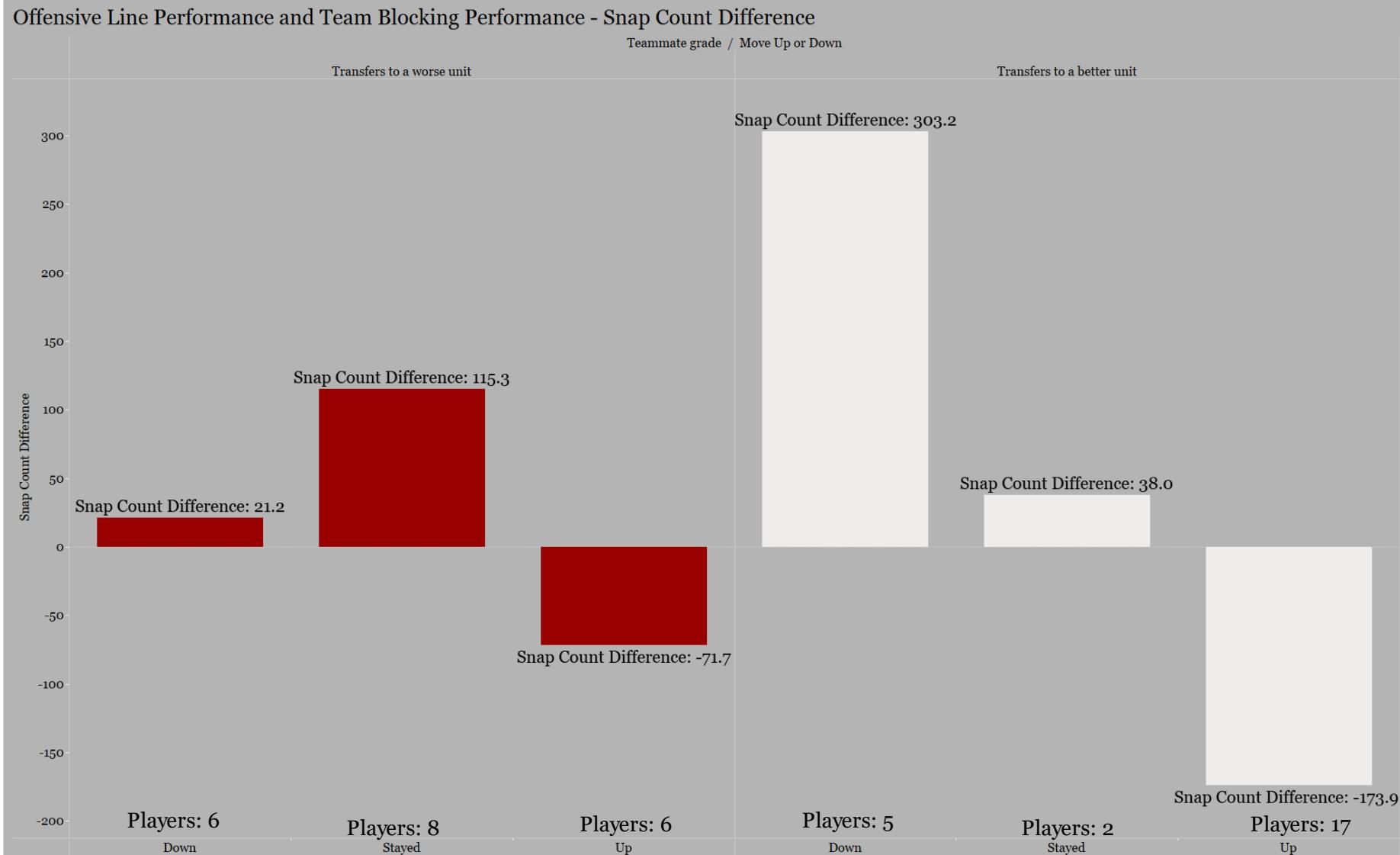


Snap Count Difference: -56.83

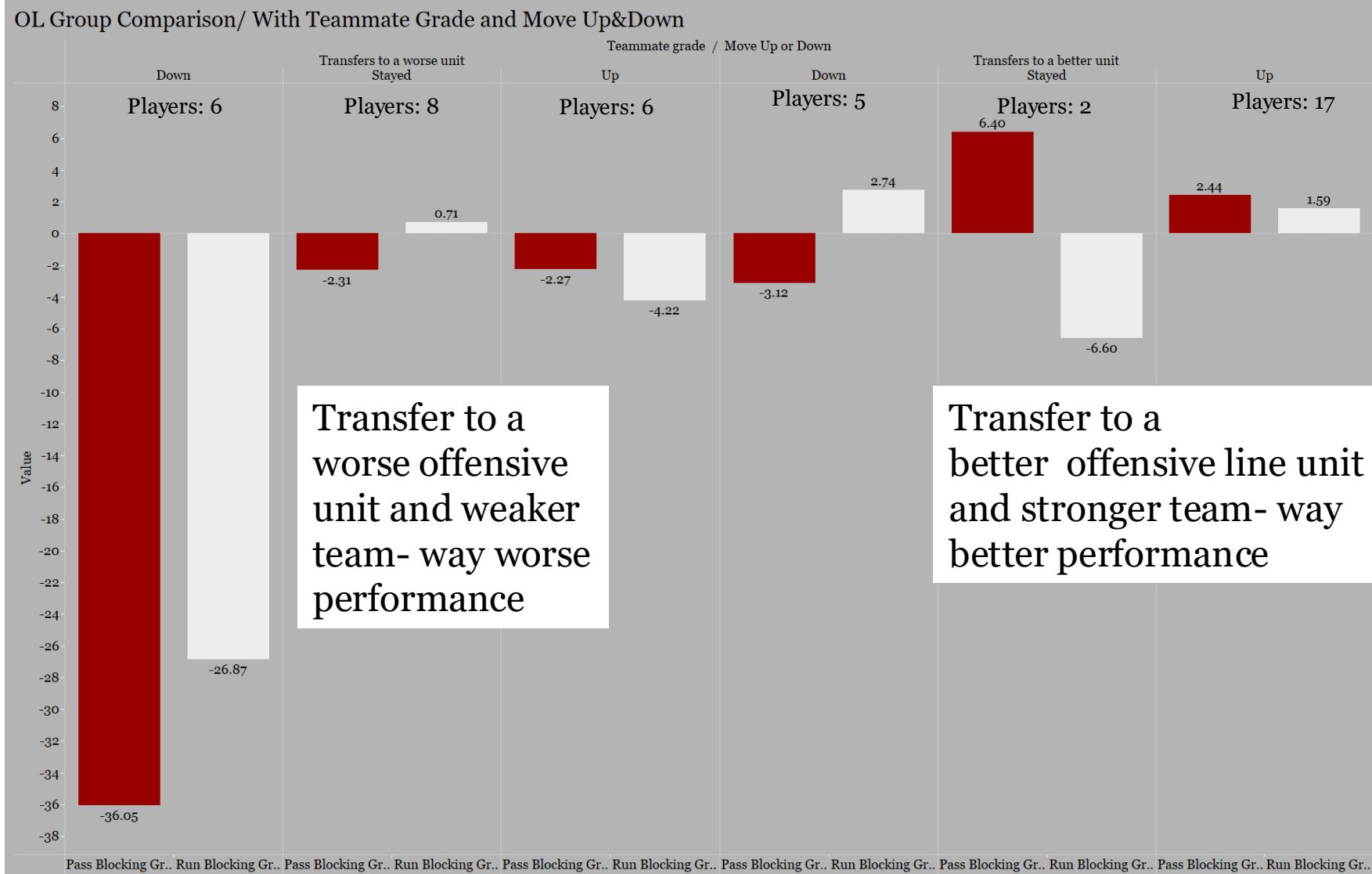
Players: 24

Transfers to a better unit

# O-Line Special Analysis



# O-Line Special Analysis



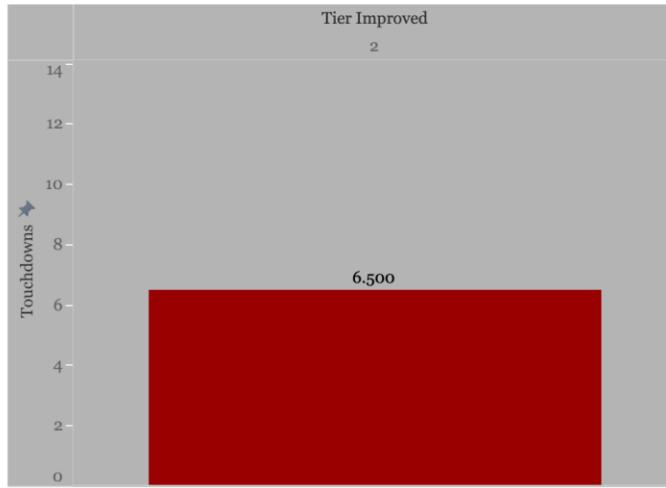
# Case Study- Indiana Football

- Indiana has had 14 players enter the portal
- For the last transfer portal, Maryland had roughly the same amount of players transfer out last year
- Maryland went 8-5 and won the Music City Bowl against Auburn this past season
- Hope for Hoosier fans

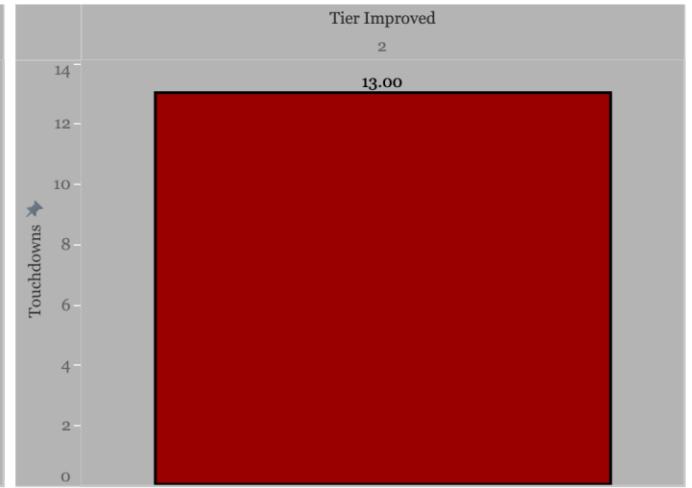
# Case Study- Dillon Johnson

- A running back that transferred from Mississippi State to Washington
- His stats saw an increase of 700 yards and 13 more touch downs after transferring to Washington

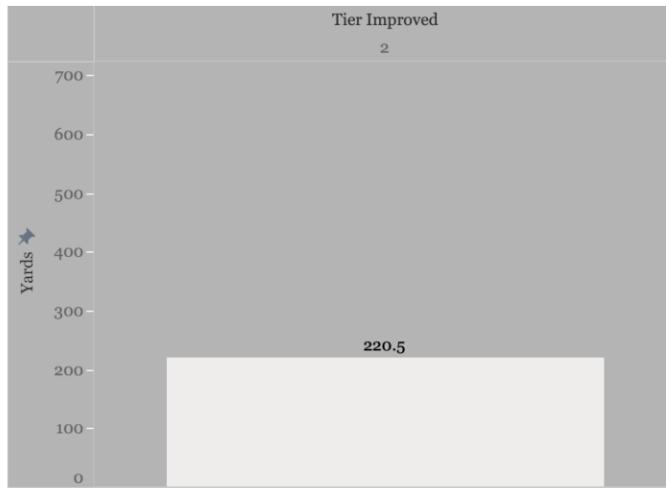
RB Touchdown Difference Tier 3 to 1 (inc. Johnson)



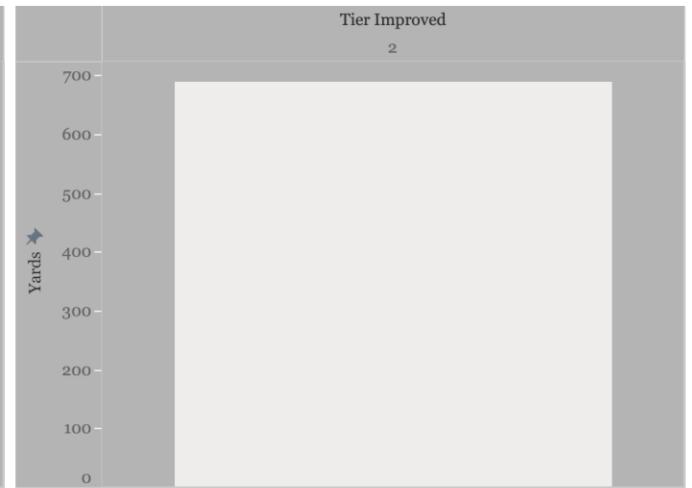
Dillon Johnson Touchdown Difference



RB Rushing Yards Difference Tier 3 to 1 (inc. Johnson)



Dillon Johnson Rushing Yards Difference



# Football Overview Insights

- **Defensive Backs (DBs)** generally see less playing time with an upward move, but exhibit better performance against QBs.
- **Linebackers (LBs)** perform better in lower tiers and show mixed results when moving up or staying the same.
- **Wide Receivers (WRs)** thrive when moving down a tier, facing difficulty with an upward move.
- **Tight Ends (TEs)** see improved stats in lower tiers; struggle when moving to higher competition.
- **Offensive Linemen (OL)** face challenges in adjusting to new teams, with performance dips across all tiers.
- **Quarterbacks (QBs)** find fewer opportunities but higher efficiency in upper tiers; more playtime in lower tiers leads to stat boosts.
- **Running Backs (RBs)** benefit from moving down in competition, with a noticeable increase in performance

# Basketball Methodology



# Tier Creation

Created a team ranking system to break down the teams by success over the last five years

## Data Collection

Collected information on each player that transferred to see how they performed at their new school

## Graphics

Analyzed different aspects of the data such as transferring between tiers, success of players by movement between tiers, and overall team transfer patterns

# Basketball Methodology

# Basketball Team Tier Rankings



# Basketball Ranking System

Record

Tournament  
Appearance &  
Advancement

Quad 1 Wins

Conference  
Finish

Strength of  
Schedule

Non-  
Conference  
Strength of  
Schedule

Ken Pom

BPR

# Basketball Tier Rankings

## Tier 1

- Outliers
- 21 Teams



## Tier 2

- 3<sup>rd</sup> Quartile and Above
- 73 Teams



## Tier 3

- Between 2<sup>nd</sup> & 3<sup>rd</sup> Quartiles
- 87 Teams



## Tier 4

- Between 1<sup>st</sup> & 2<sup>nd</sup> Quartiles
- 93 Teams



## Tier 5

- Below 1<sup>st</sup> Quartile
- 93 Teams



## Tier 6

- Non-D1 Teams
- 269 Teams



# Basketball Data



# Basketball Data

- Used transfer portal data from EvanMiya.com
  - More comprehensive list of transfers
  - His staple BPR statistic and number of possessions a player is involved in
  - Has a predicted BPR for transfers for the next season
- Used data from ESPN for the 2022-2023 and 2023-2024 seasons.
  - Stats used from ESPN include minutes, points, assists, rebounds, and steals per game.
- Total Number of Players in the Portal: 1500+
- Players with valid data for analysis: 898
  - These were players that played in both the 2022-2023 and 2023-2024 seasons.

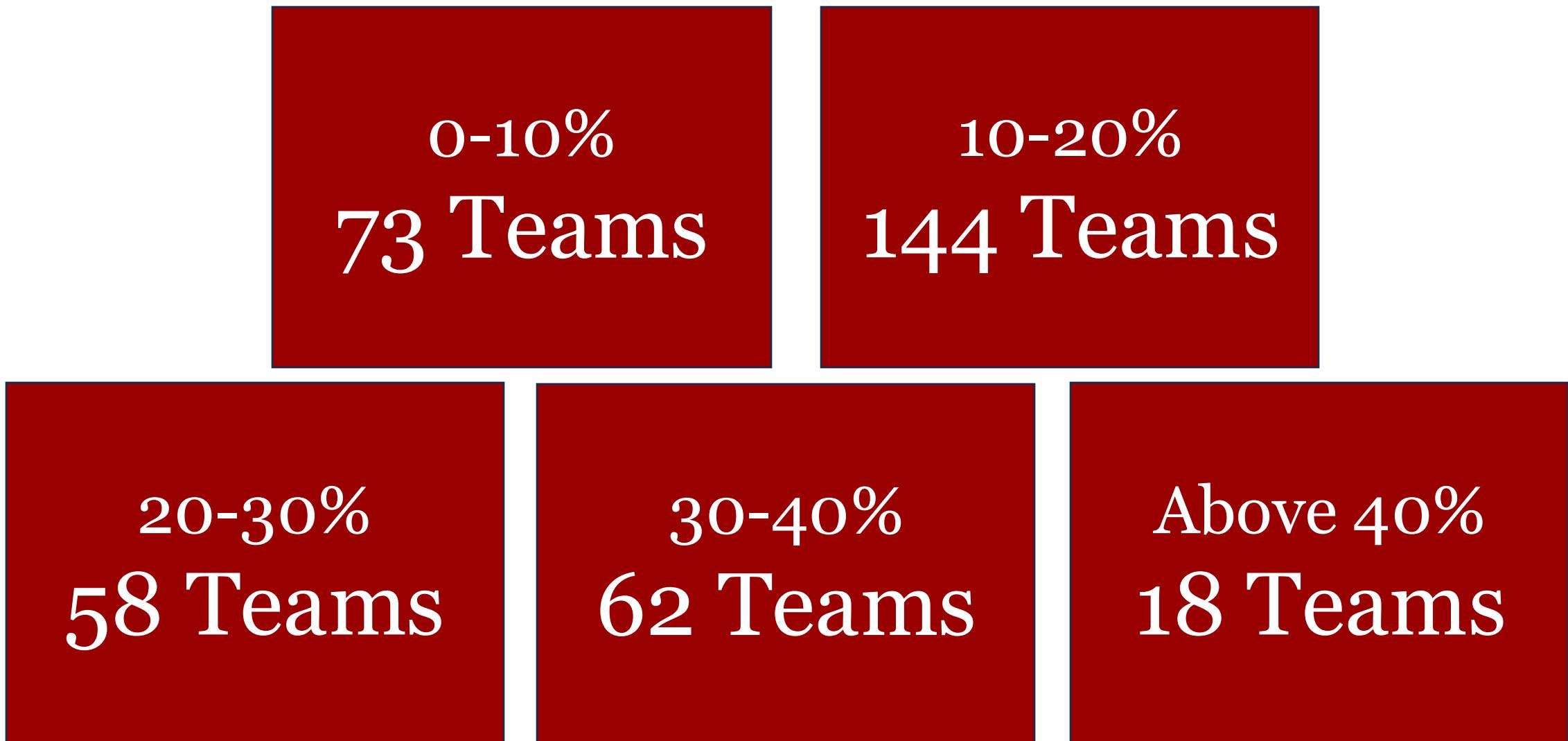
# Basketball Data

- EvanMiya BPR:
  - Bayesian Performance Rating is the sum of a player's OBPR and DBPR. This rating is the ultimate measure of a player's overall value to his team when he is on the floor
  - BPR is interpreted as the number of points per 100 possessions better than the opponent the player's team is expected to be if the player were on the court with 9 other average players
  - A higher rating is better
  - Example: Hunter Dickinson- 6.87

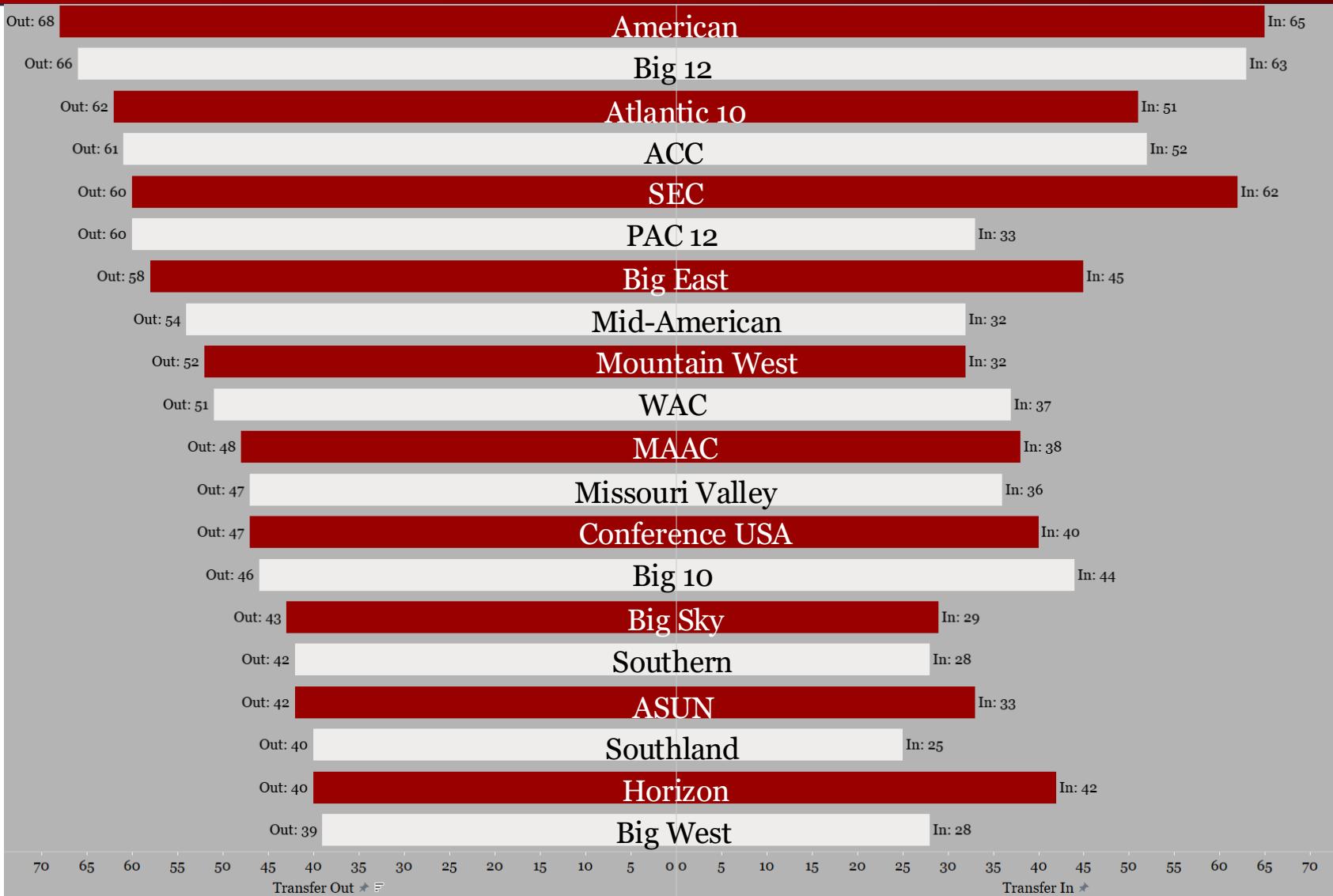
# Team Overview



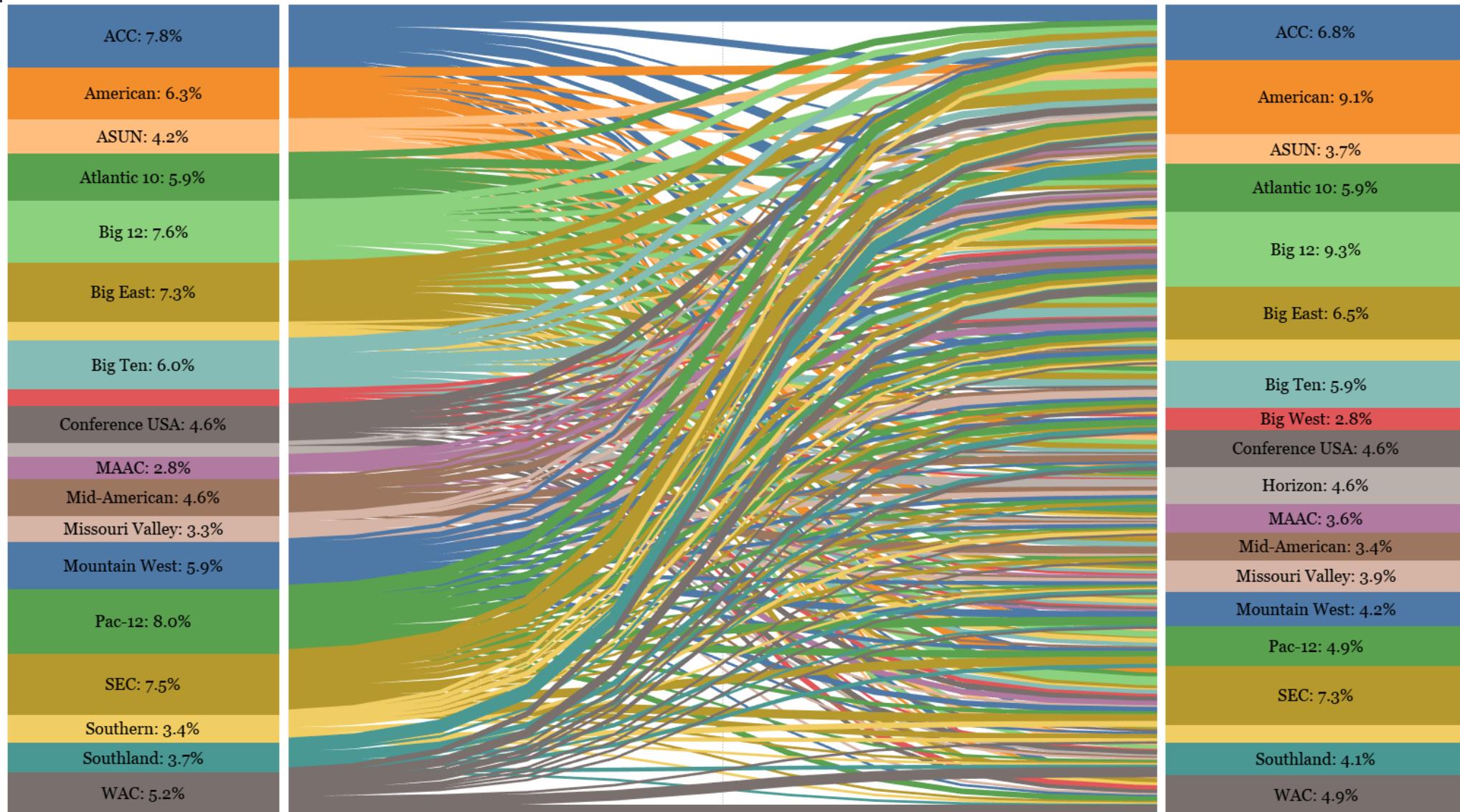
# NCAAAM Teams Roster Transfer Makeup



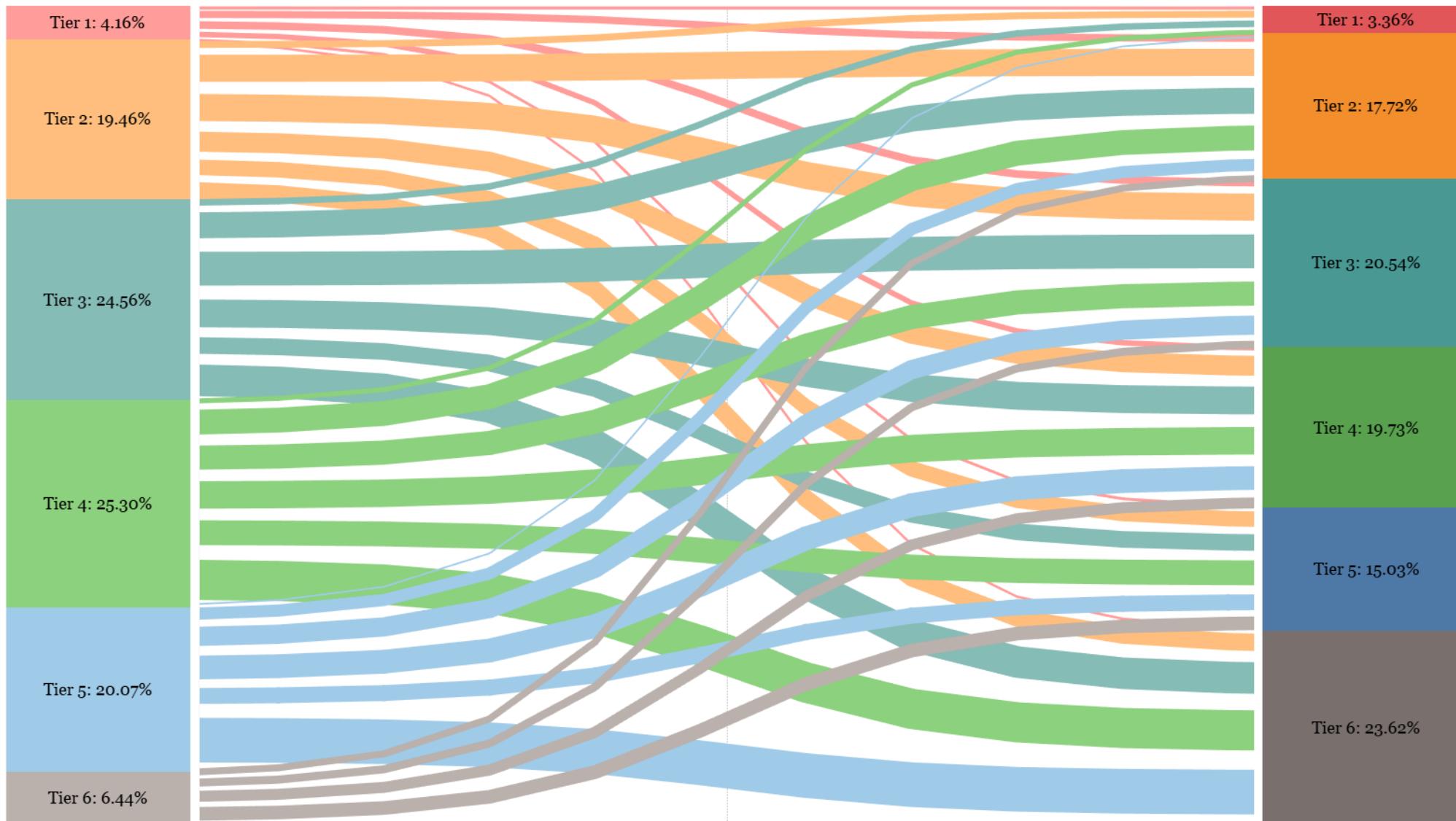
# Team Overview Findings



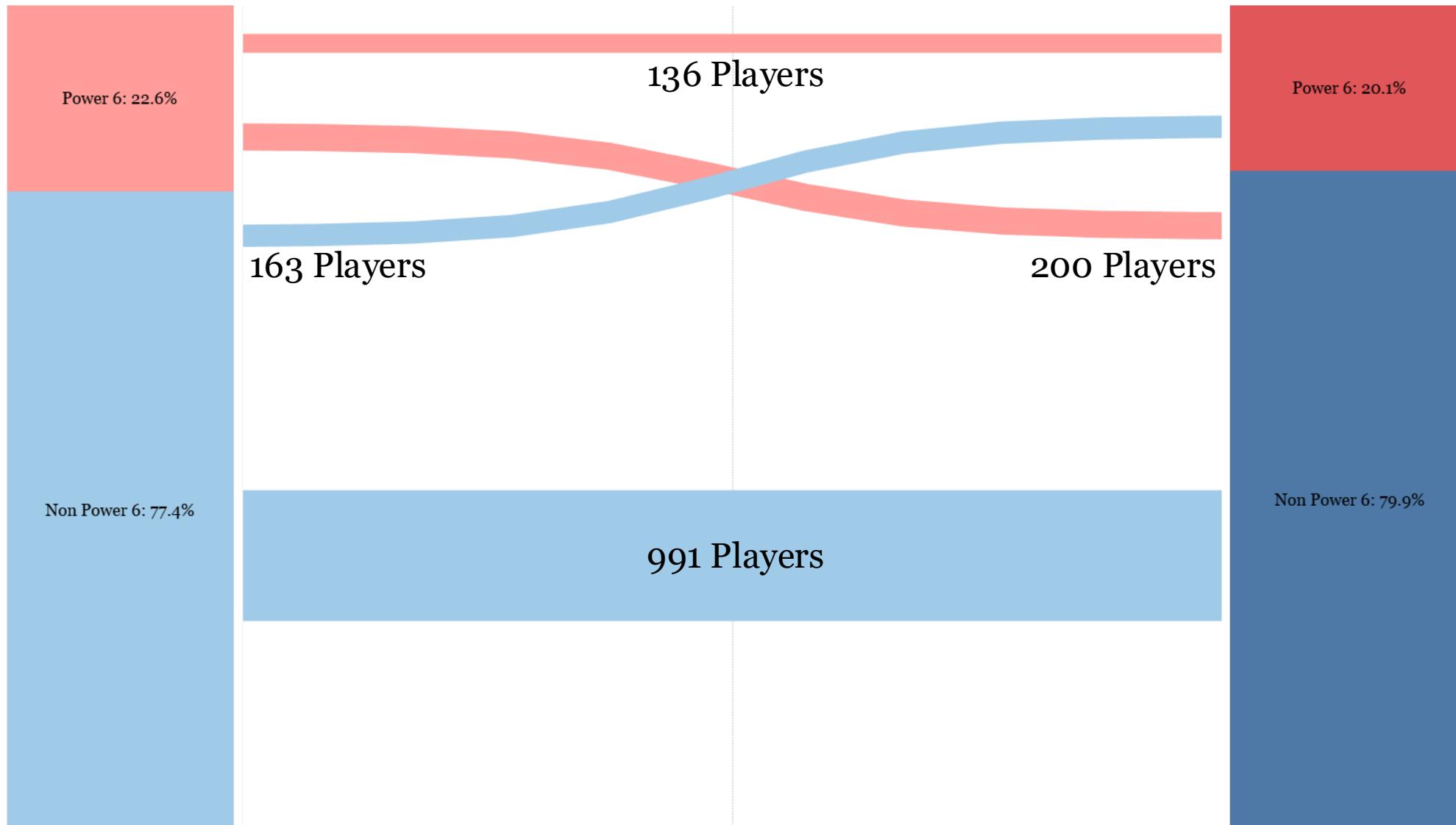
# Transfer Migration – Top 20 Conferences in terms of Transfer Portal Activity



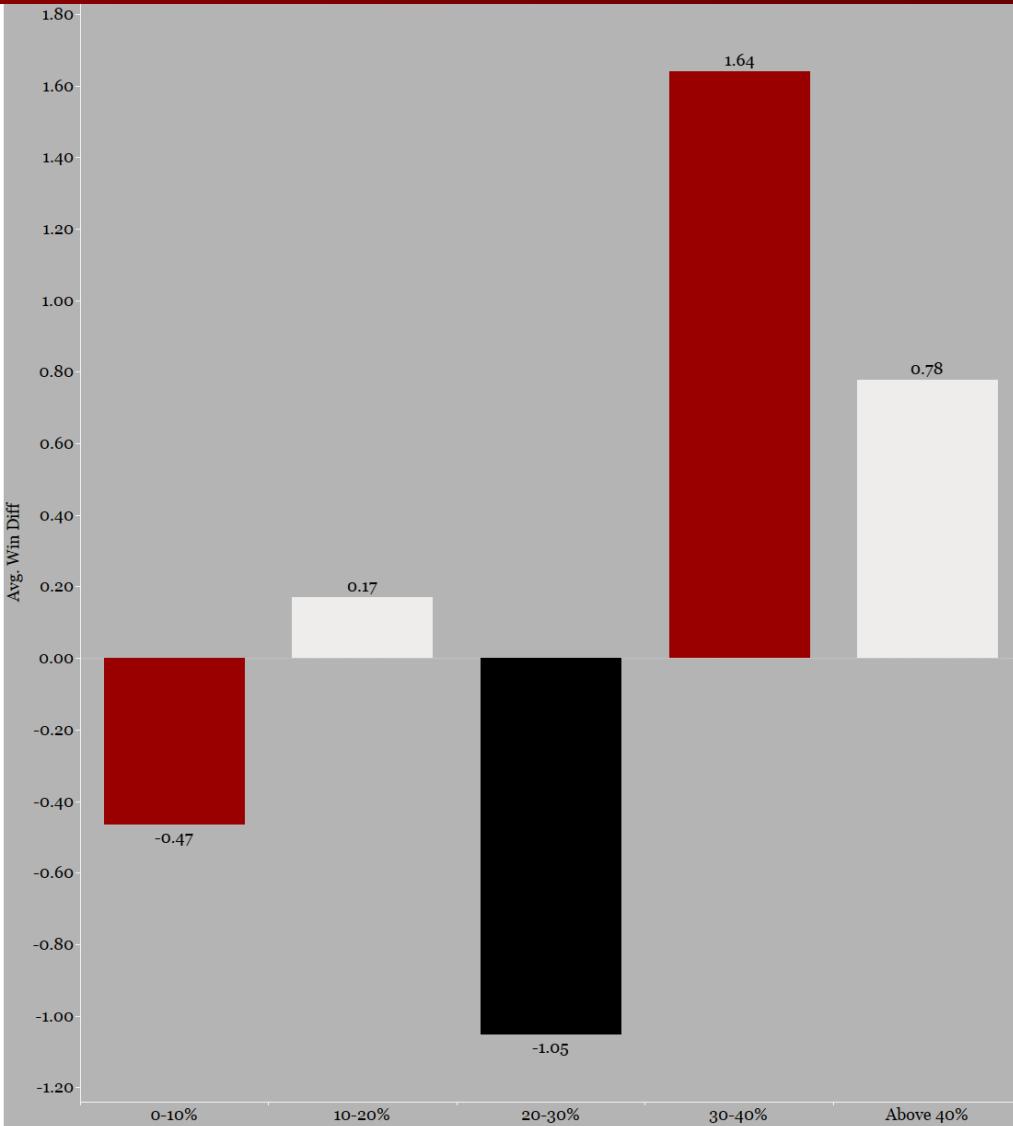
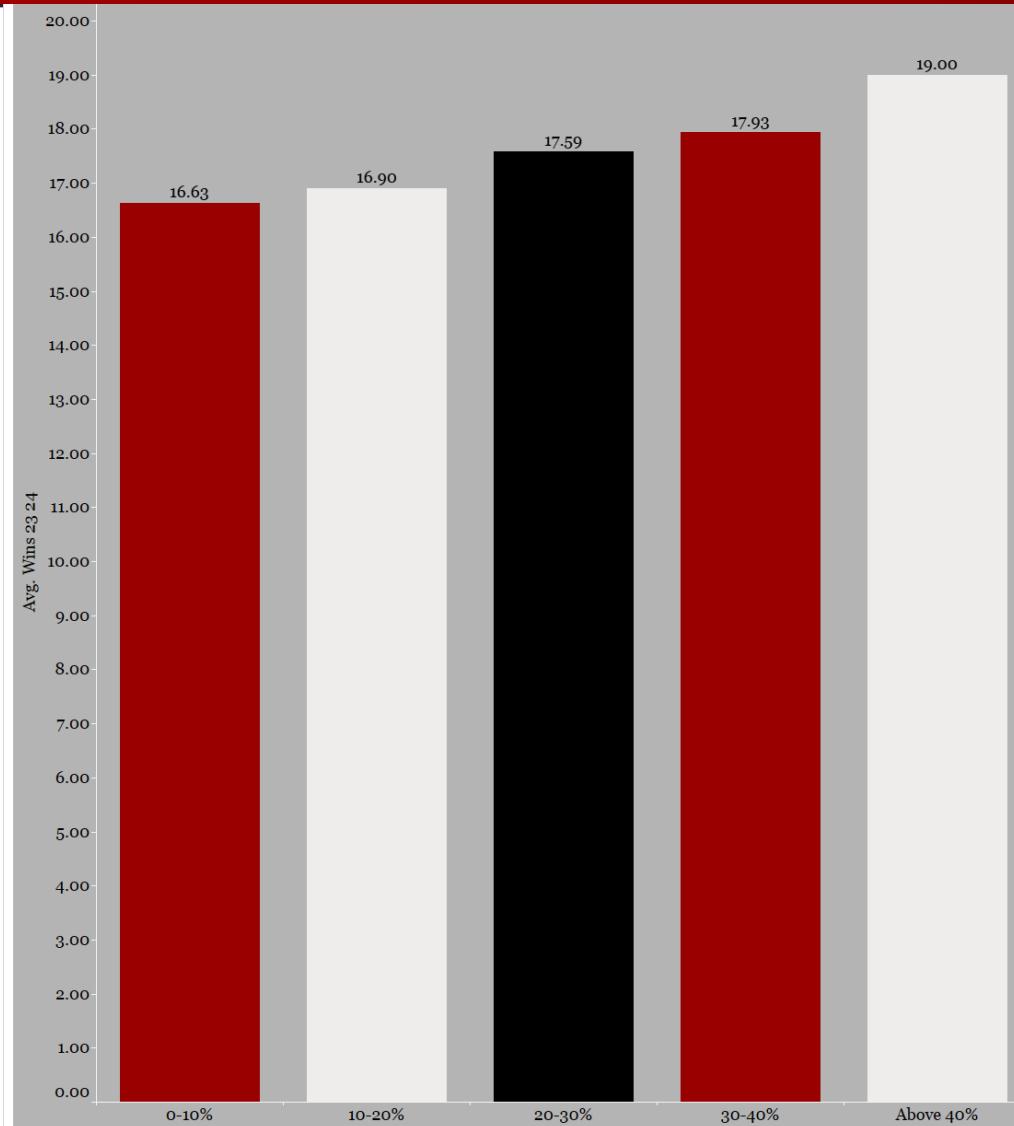
# Transfer Migration – By Tier Movement



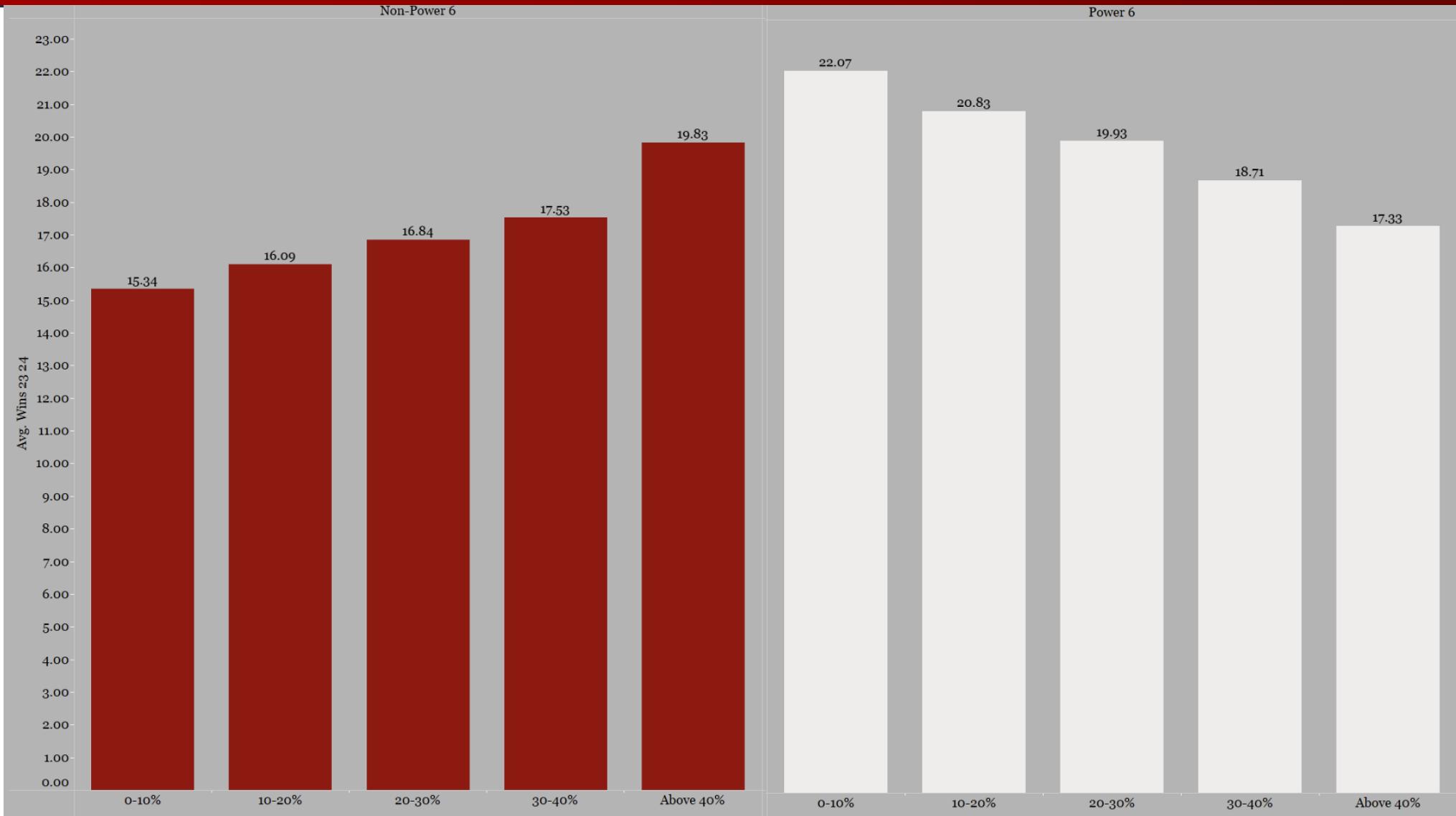
# Transfer Migration – By Conference Type



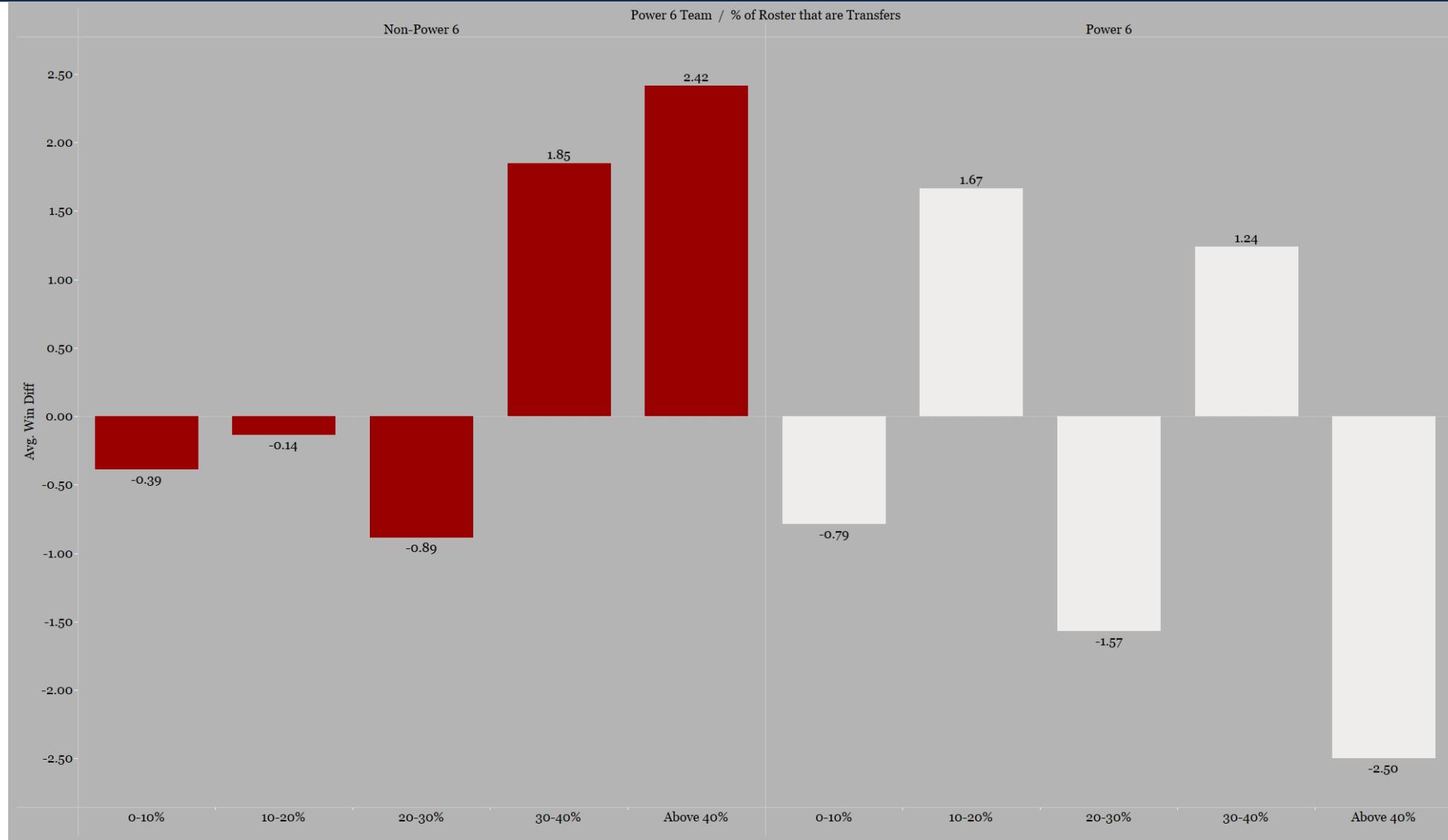
# Roster Transfer Makeup vs Wins



# Roster Transfer Makeup – P6 vs Non-P6



# Roster Transfer Makeup – P6 vs Non-P6



# Basketball Insights



# Non-Transfers vs Transfers

Non-  
Transfers  
**1,941**

Possession Difference Between Seasons

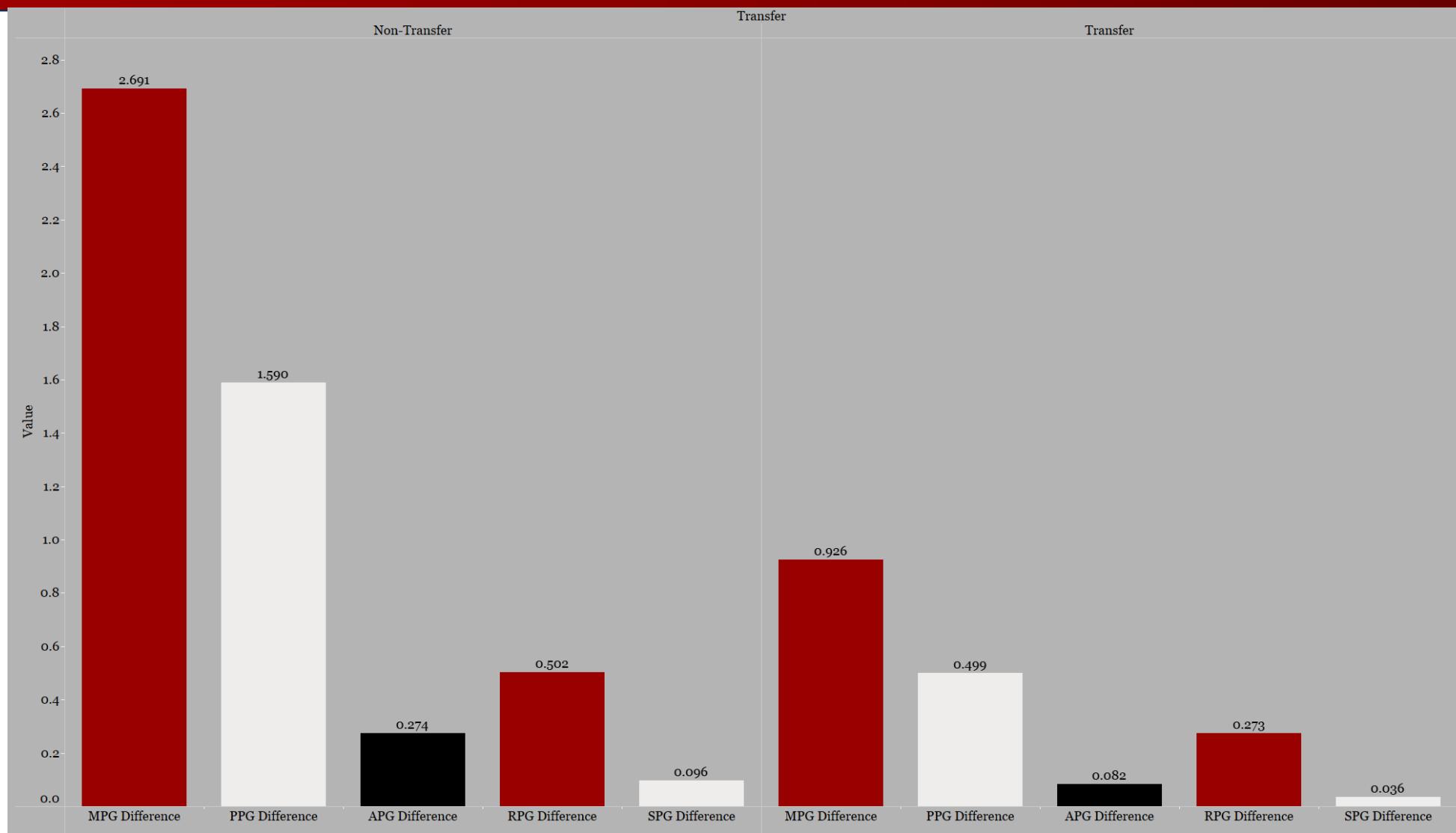
**154.5**

Transfers  
**898**

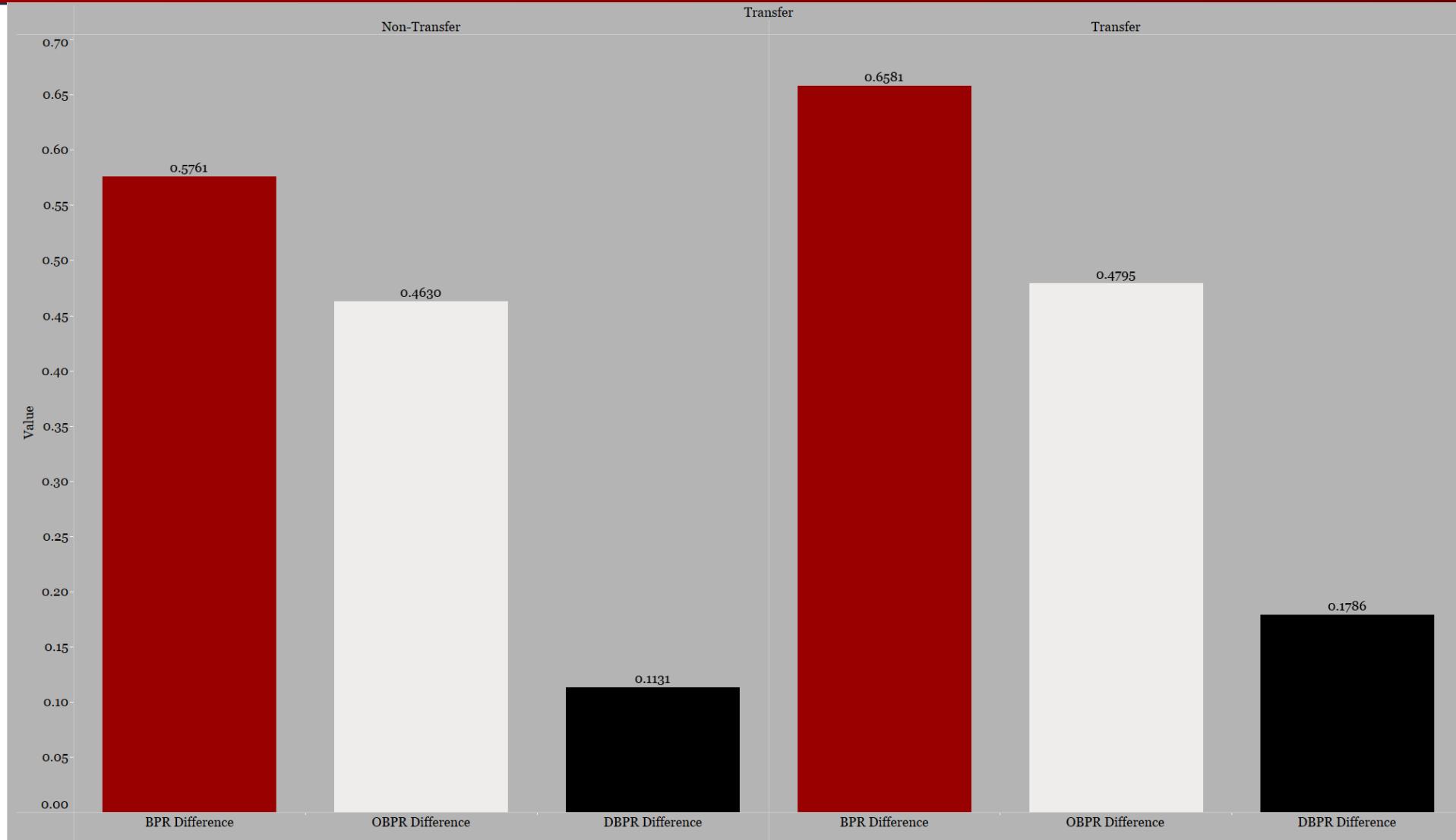
Possession  
Difference Between  
Seasons

**59.7**

# Non-Transfers vs Transfers – Box Score Stats



# Non-Transfers vs Transfers – BPR



# Non-Transfers vs Transfers – Same Level

Non-Transfers  
1,941

Possession Difference Between Seasons

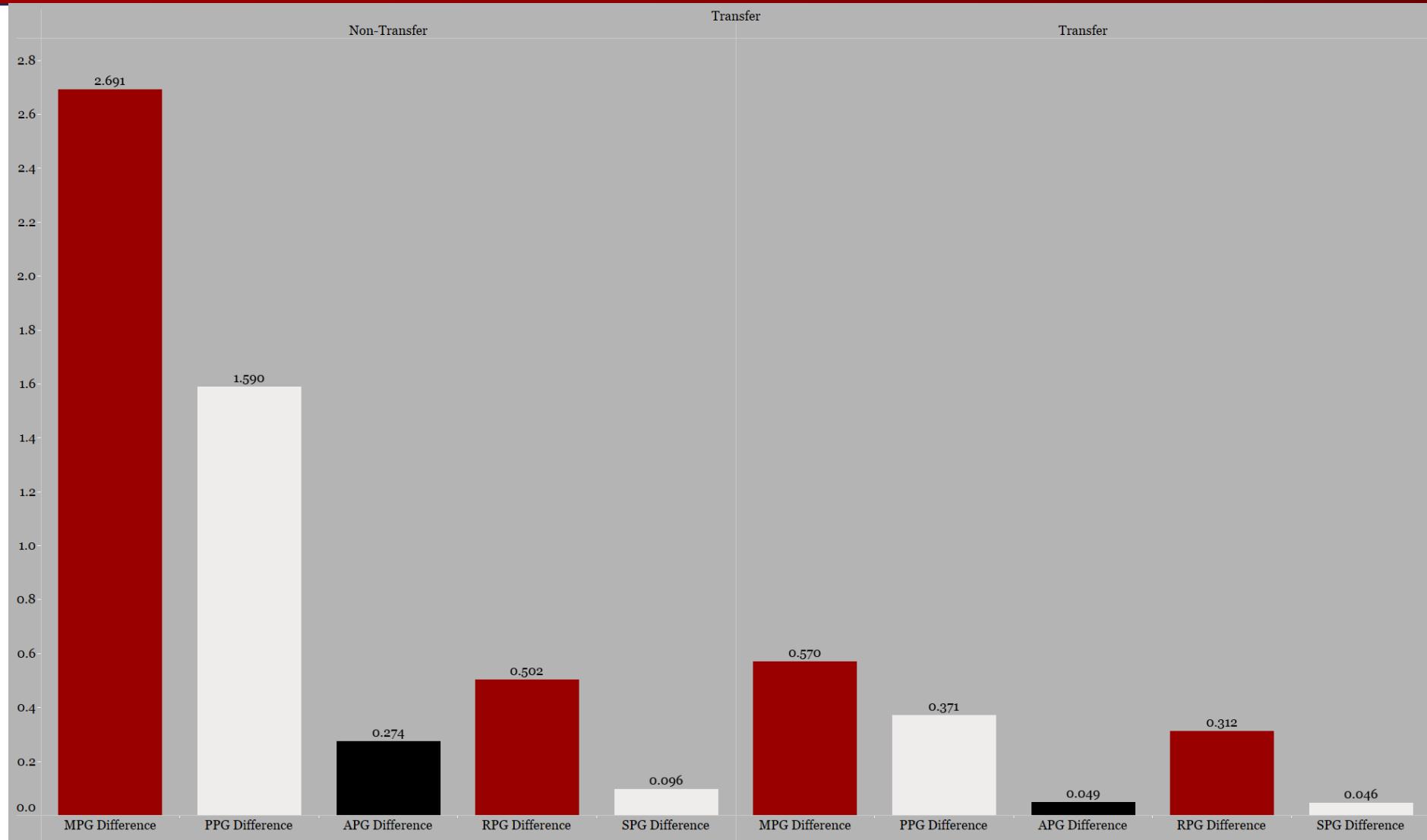
154.5

Transfers  
237

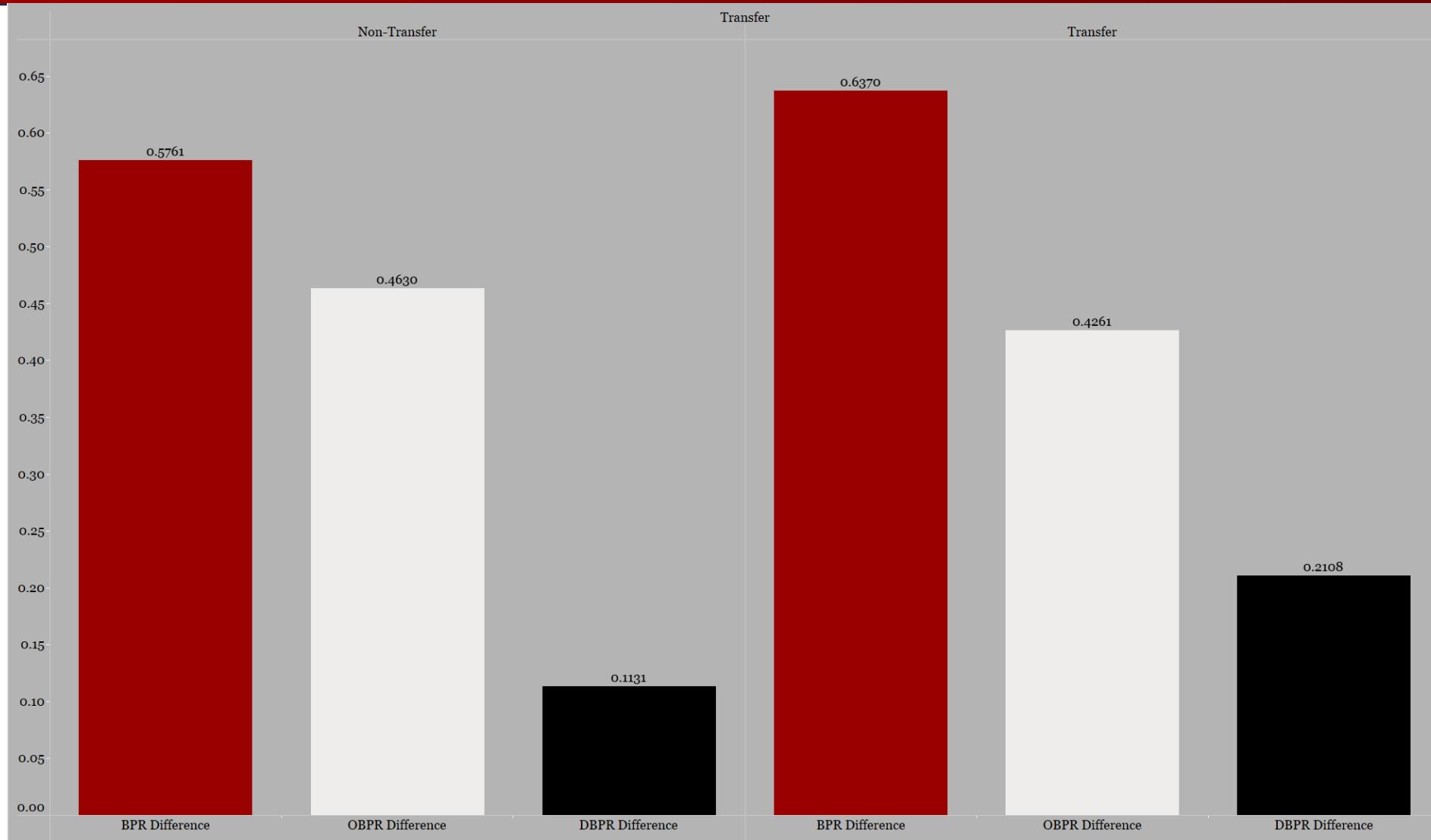
Possession  
Difference Between  
Seasons

51.1

# Non-Transfers vs Transfers – Same Level – Box Score Stats



# Non-Transfers vs Transfers – Same Level – BPR



# Transfer Movement - Grouped

Moved Down

313

Stayed the Same Level

237

Moved Up

348

Possession Difference

350.6

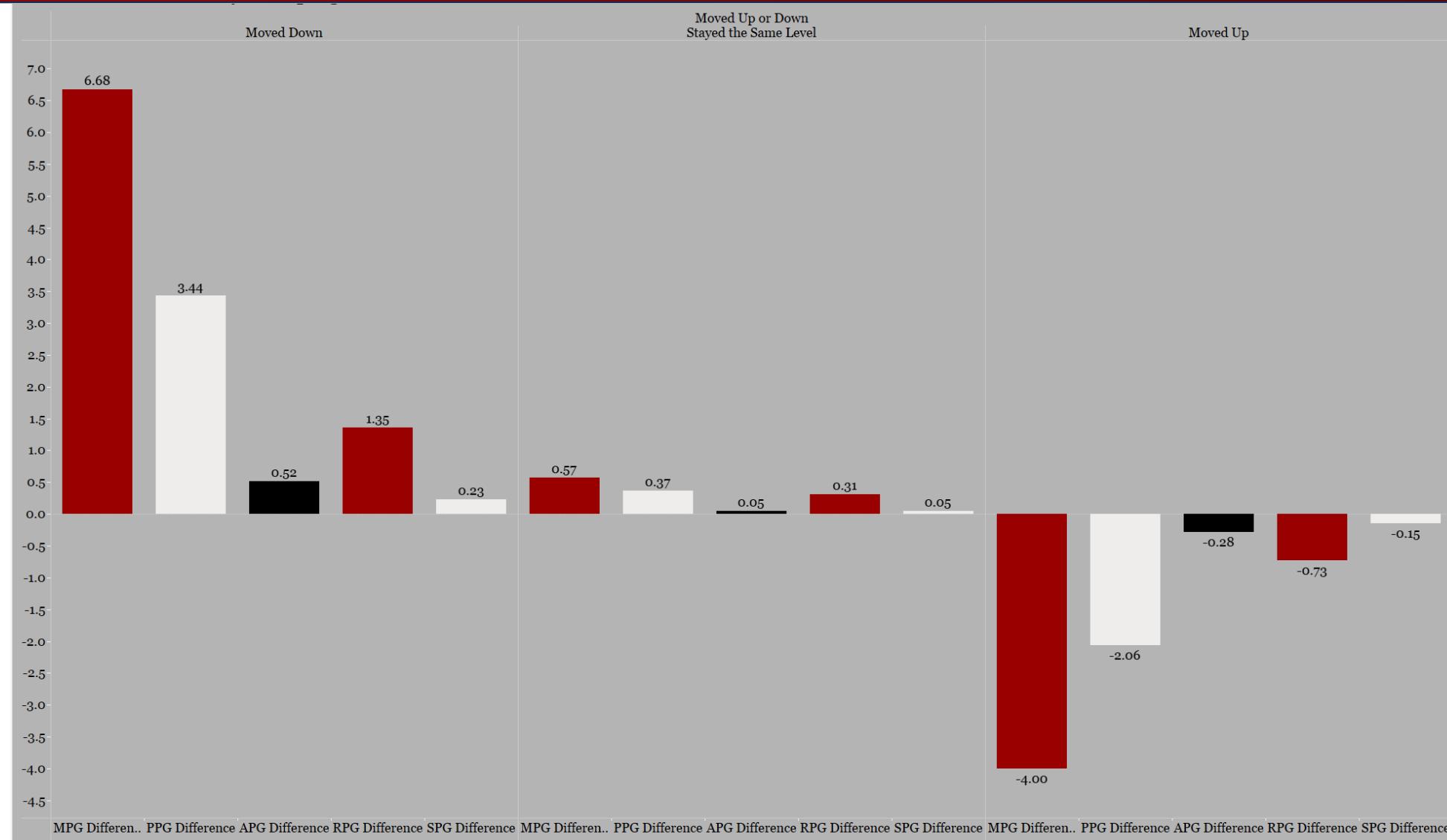
Possession  
Difference

51.1

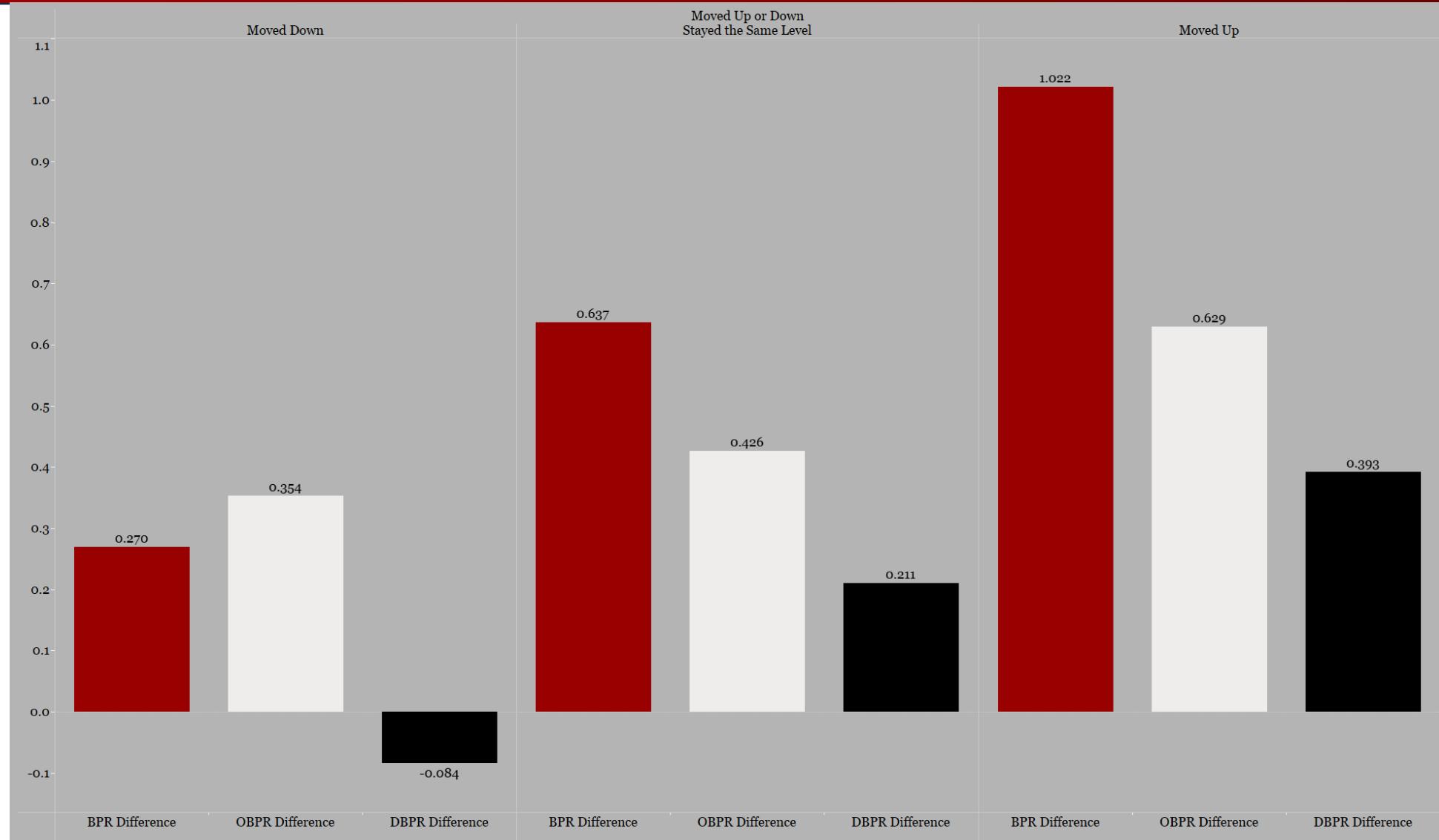
Possession  
Difference

-196.1

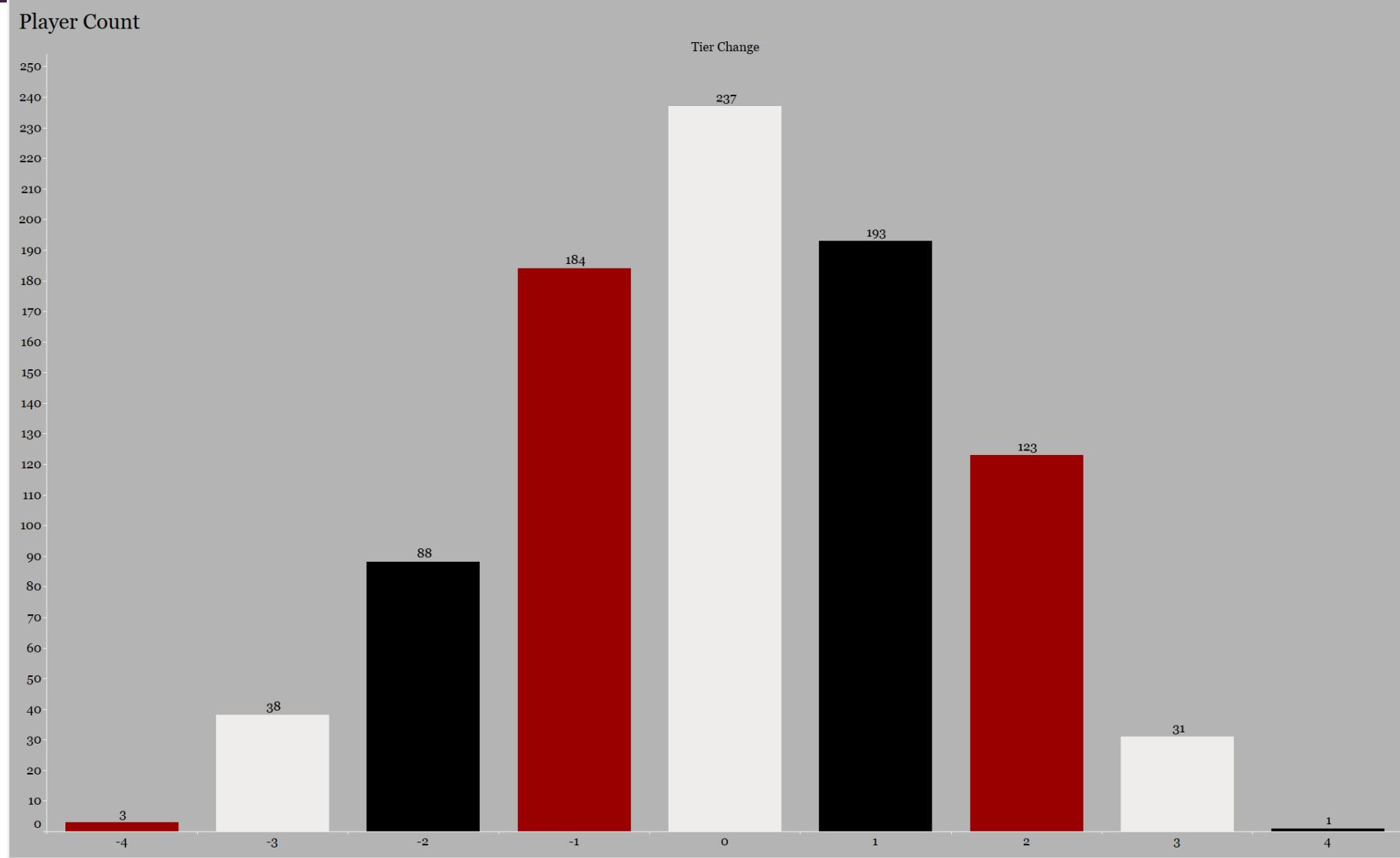
# Transfer Movement – Grouped – Box Score Stats



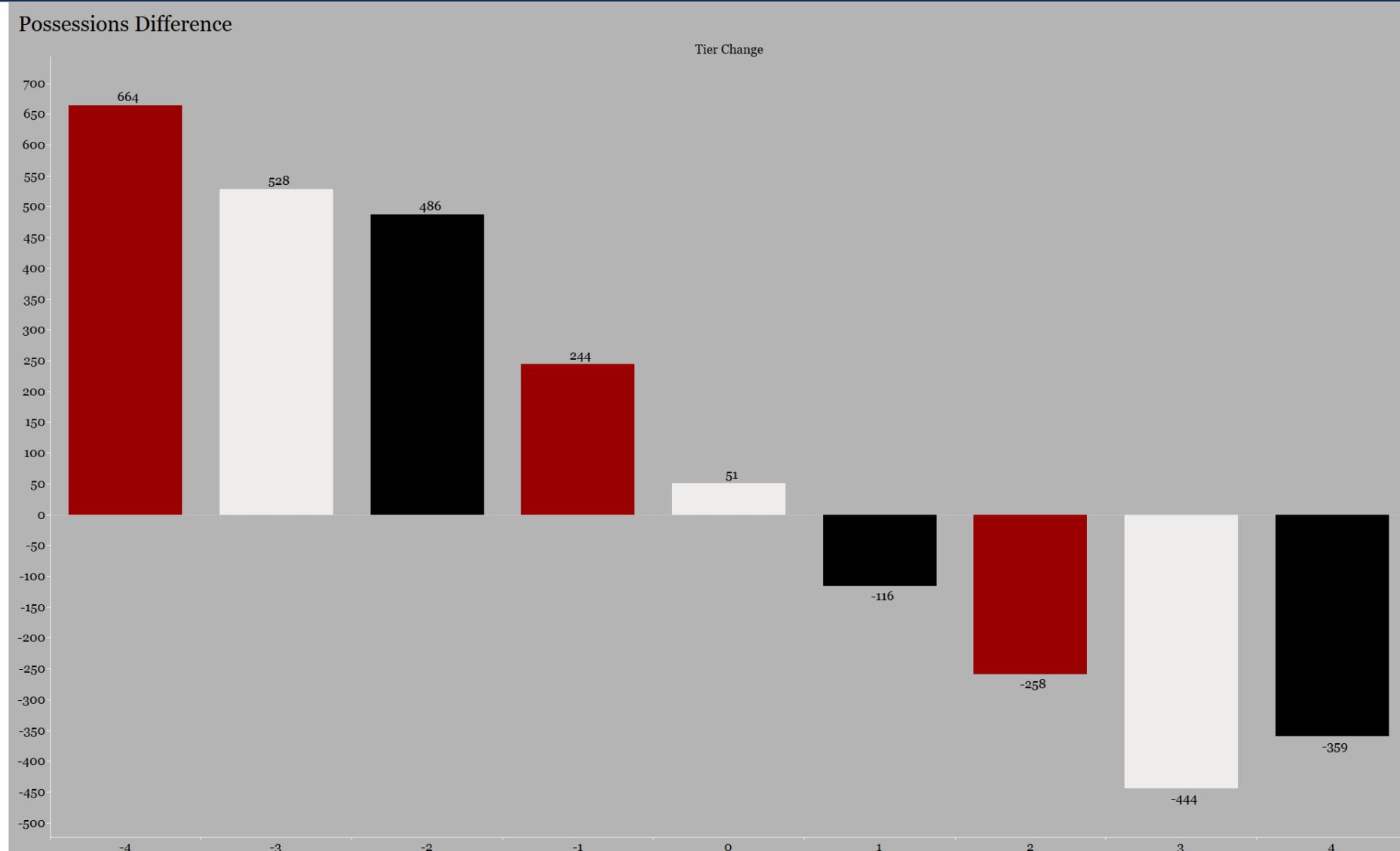
# Transfer Movement – Grouped – BPR



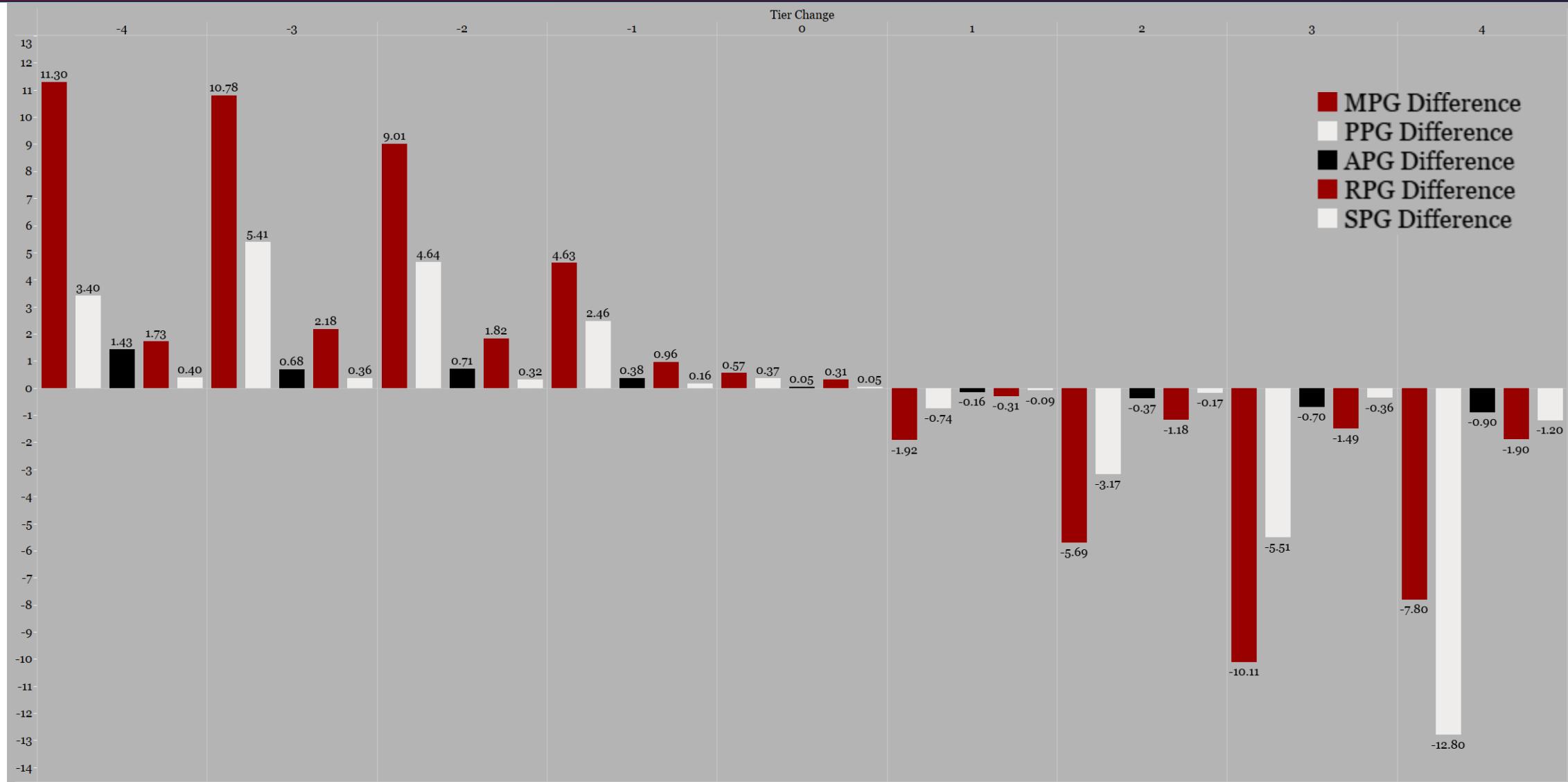
# Transfer Movement – By Tier Change



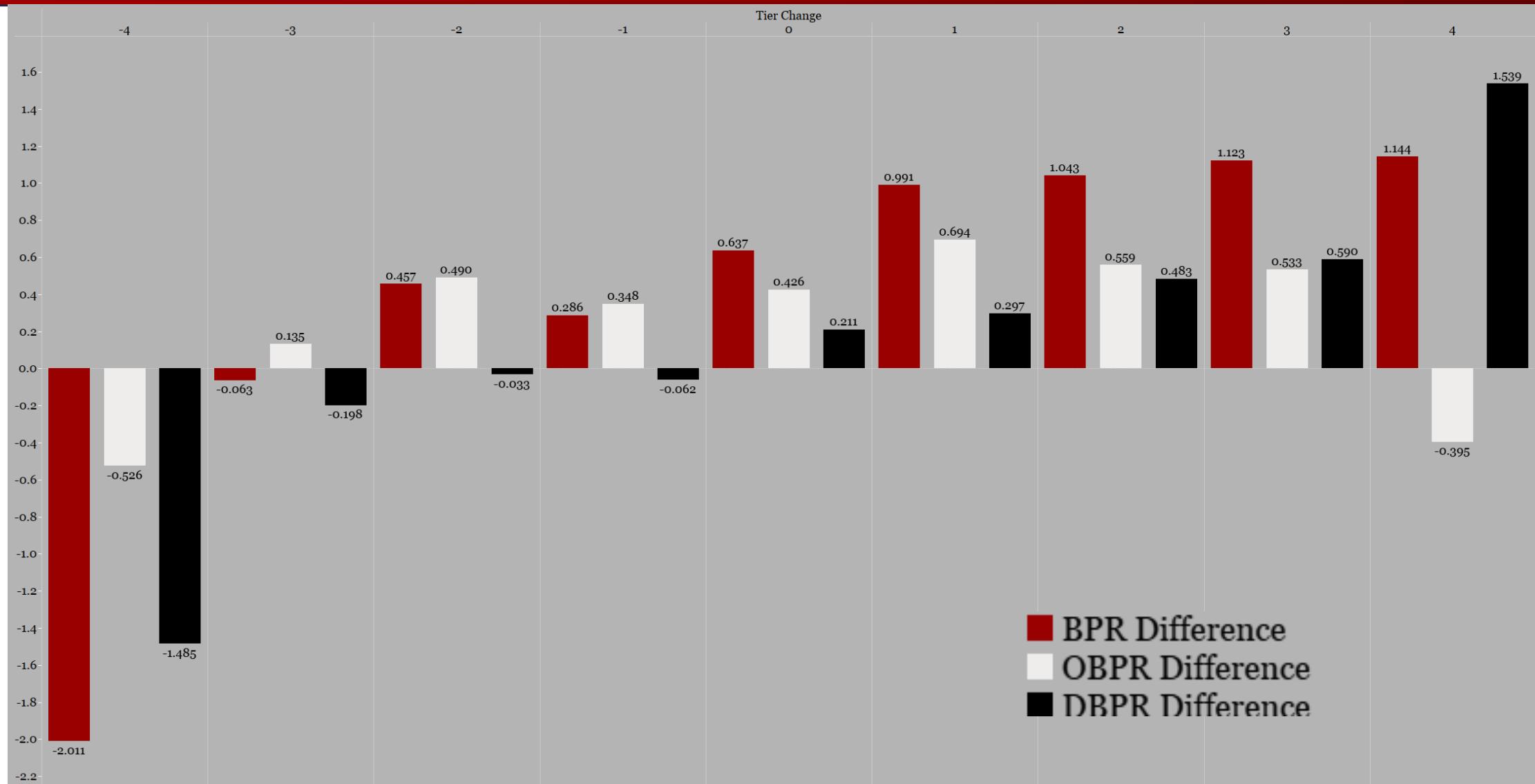
# Transfer Movement – By Tier Change – Possession Difference



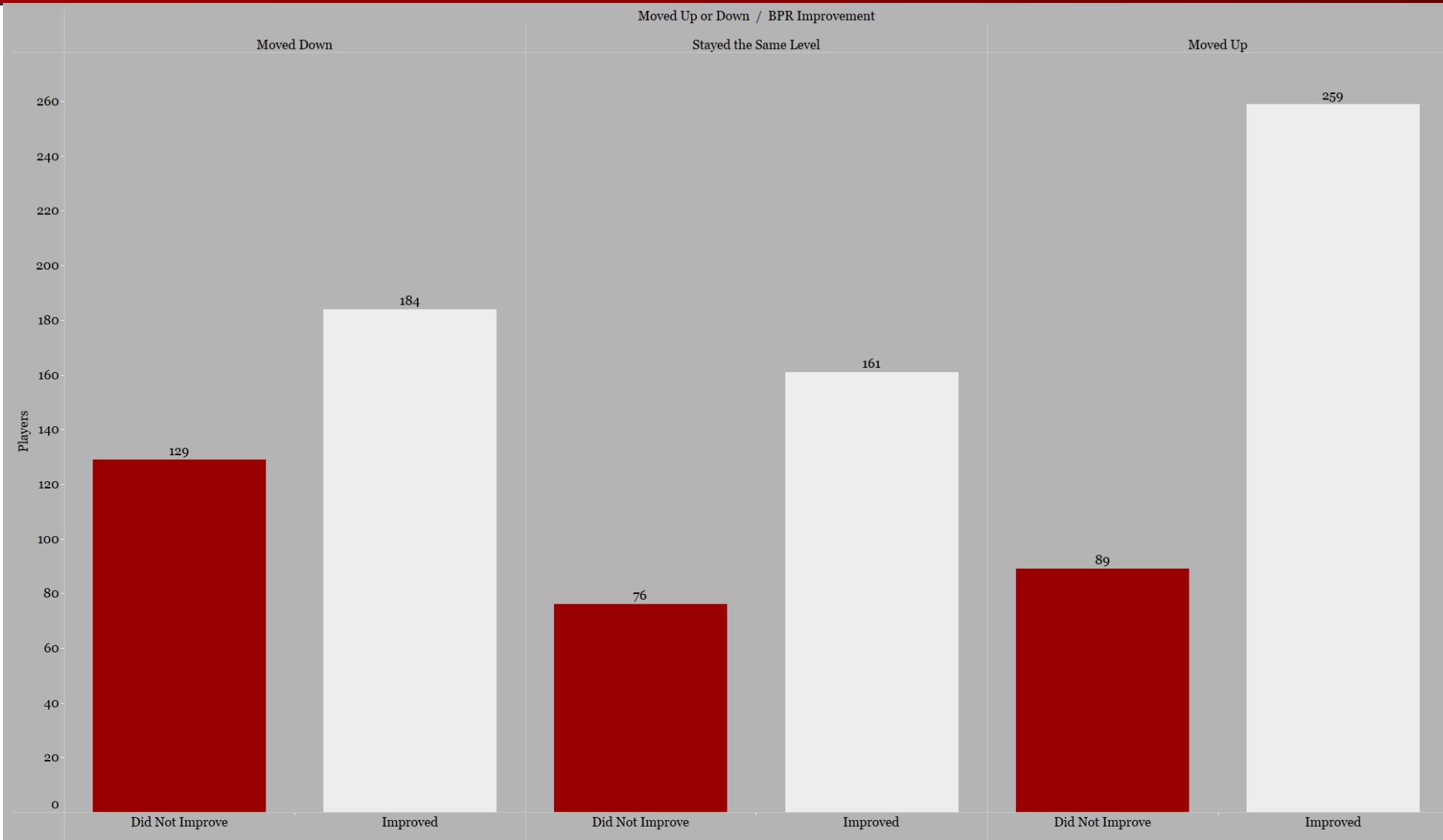
# Transfer Movement – By Tier Change – Box Score Stats



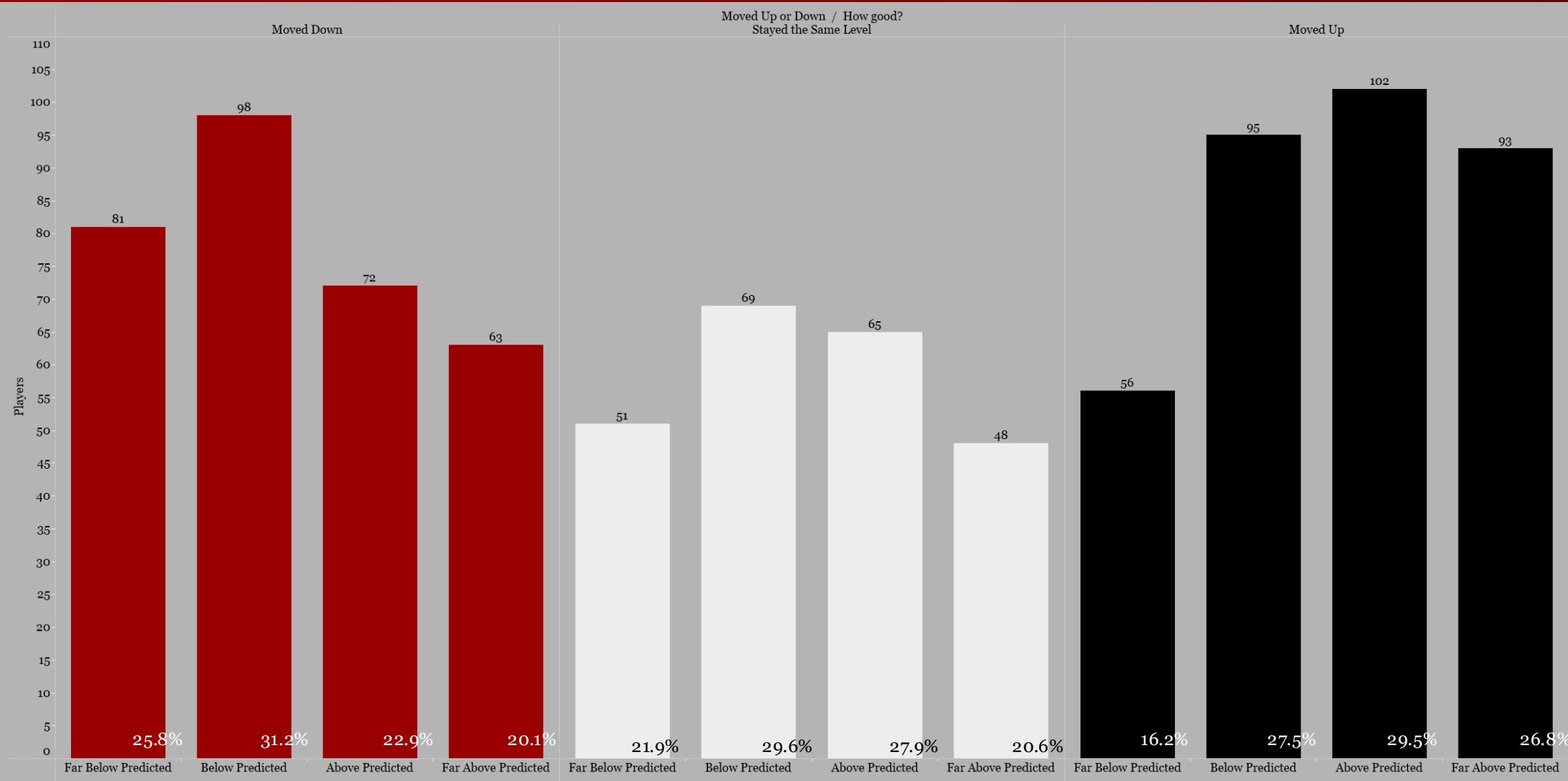
# Transfer Movement – By Tier Change – BPR



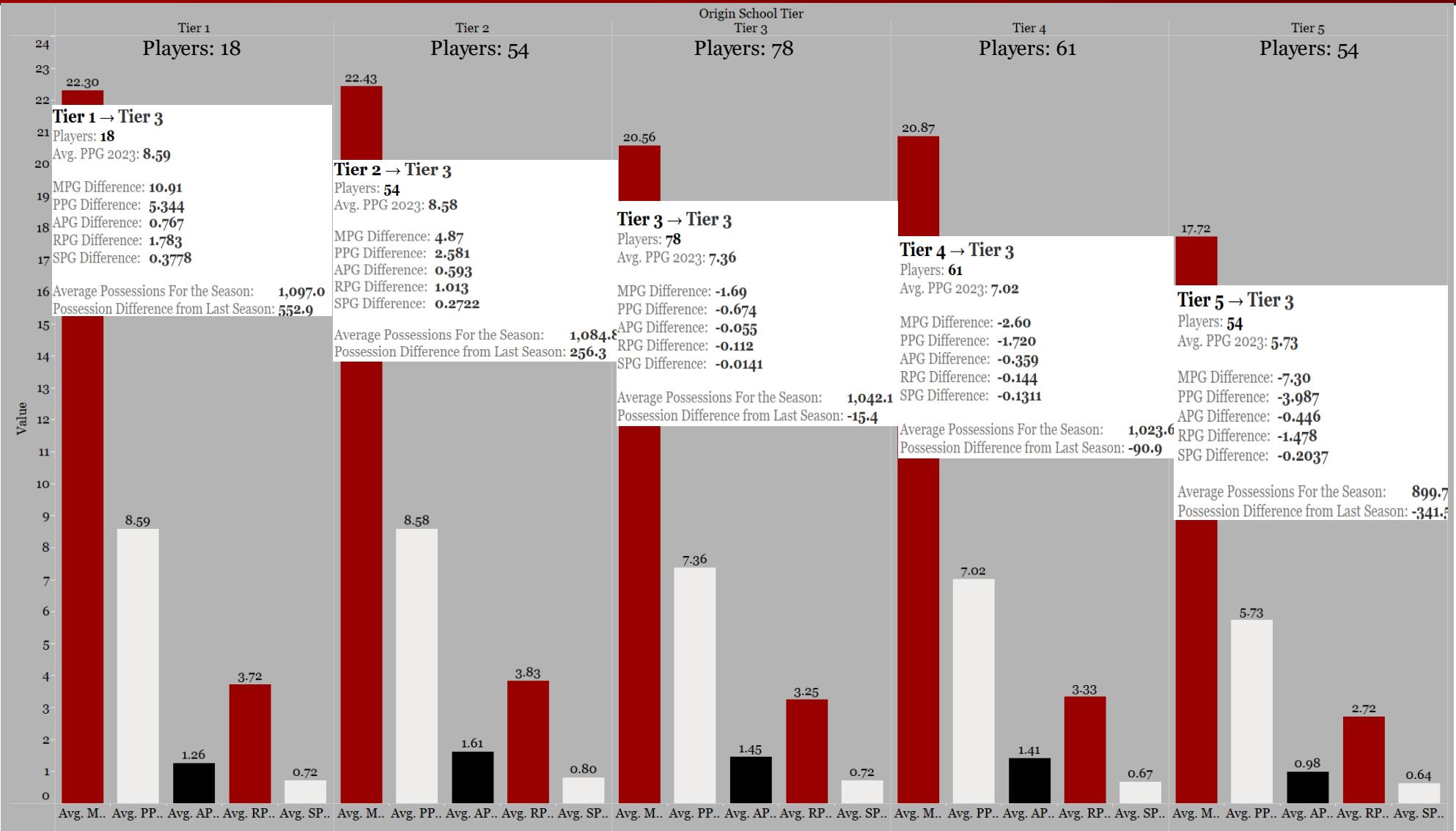
# Ranking After Transfer



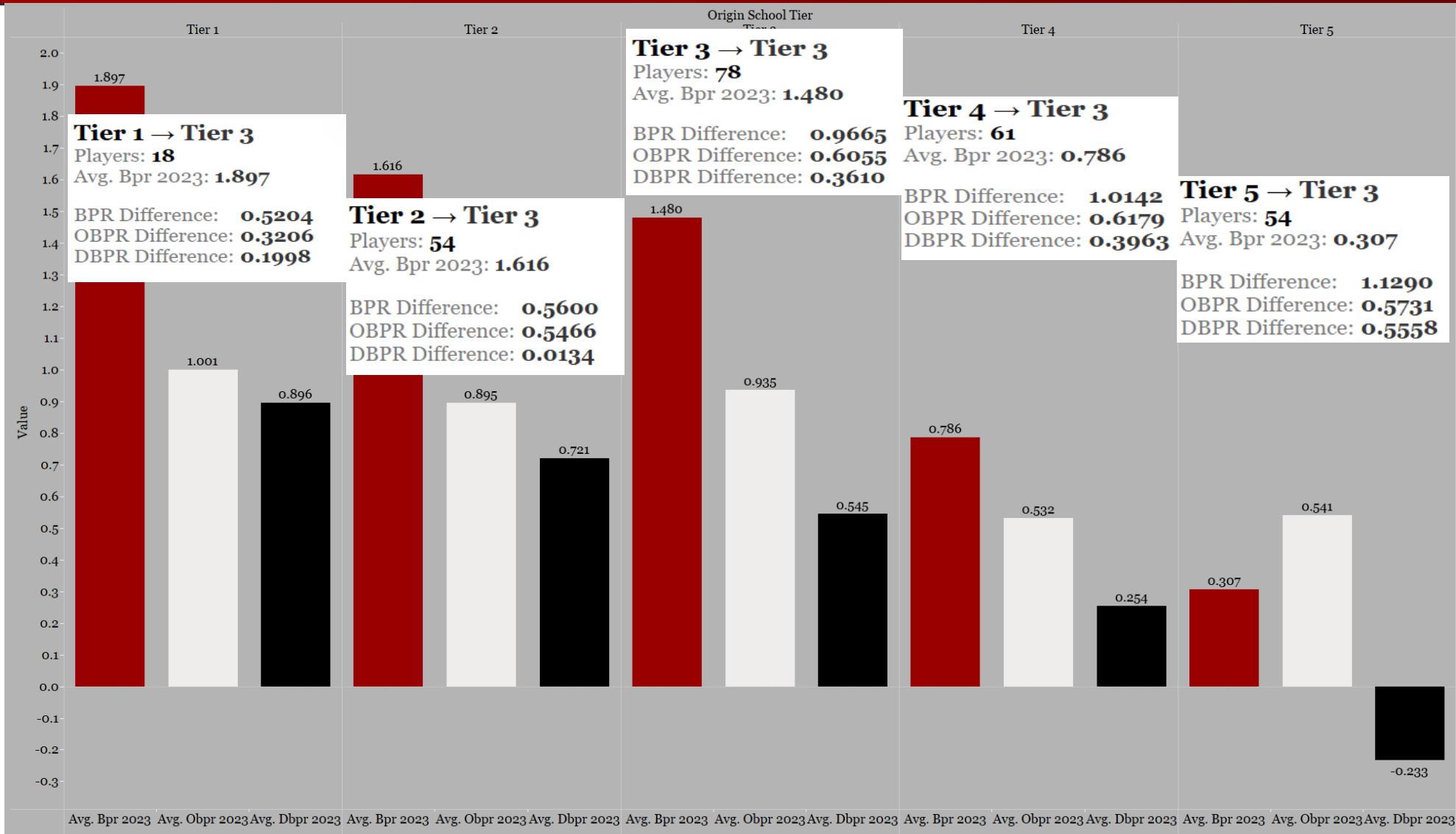
# Did Players Overperform or Underperform Expectations?



# Case Study – Indiana State (Tier 3 School)



# Case Study – Indiana State (Tier 3 School)



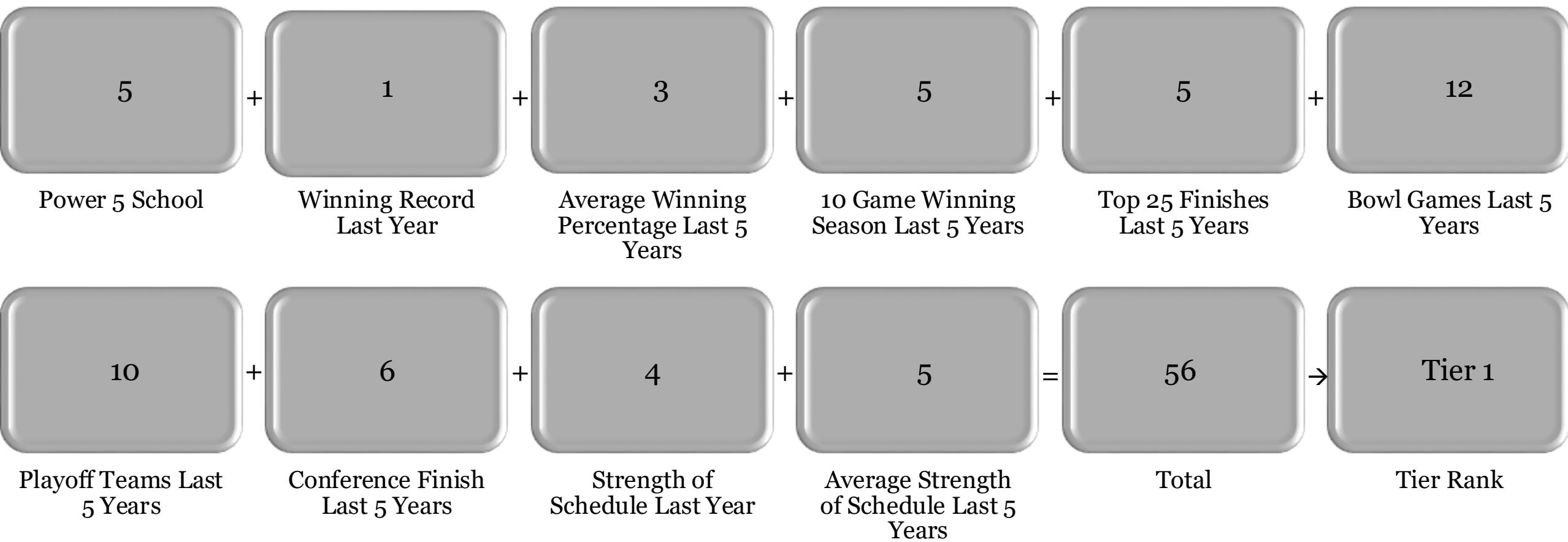
# Basketball Overview Insights

- Basketball transfers influence performance, with changes notably reflected in BPR and on-court involvement.
- Moving to a lower tier often leads to improved personal statistics for players.
- Transfers to a higher tier or staying within the same tier present potential challenges, as seen in mixed performance outcomes.
- A player's adaptation to the new team's system and the competition level are key factors in the success of a transfer.

# Appendix



# Ranking System Example- Georgia



# Ranking System Example- Gonzaga

