

MALE JUNIOR PREMIER CRICKET

Match Formats Review

Under 15s & 17s

2019/20 Season



**CREATING HISTORY.
INSPIRING CHAMPIONS.**

INTRODUCTION

**CREATING HISTORY.
INSPIRING CHAMPIONS.**



INTRODUCTION



During the 2019-20 WA Premier Cricket Season, the WACA Cricket Operations Unit built on the analysis data from the prior season in order to assess effectiveness of implemented changes and provide further feedback and recommendations on the status of Male Junior Premier Cricket in Western Australia.

This information was collected impartially and through data accessible to the Cricket Operations Unit via the MyCricket database.

The following information details the Cricket Operations Units findings and recommendations for the WADCC (Western Australian District Cricket Council), DJCC (District Junior Cricket Council) and all other relevant stakeholders to consider.

BACKGROUND



The WACA Cricket Operations Unit analysed data to investigate the impact of the new 50 overs format in the Under 15s & Under 17s competition, which had some minor rule adjustments in the 2019/20 season, with the basic concept being the same as the 2018/19 season. It was compared with the data from 60-over two-day cricket and this season's figures provide further insights into the trends found across the past 2 seasons.

Match scores (including runs, wickets and overs) were compiled across the home & away rounds of the past 4 seasons (2016/17, 2017/18, 2018/19 & 2019/20) to provide a statistical analysis of the impact of the new format in the Under 15s & Under 17s grades. Measurement factors such as runs per innings, runs per over, runs per wicket, wickets per innings, overs per innings and proportions of second innings were compared across the four seasons.

STATISTICAL FINDINGS

Under 15's

**CREATING HISTORY.
INSPIRING CHAMPIONS.**

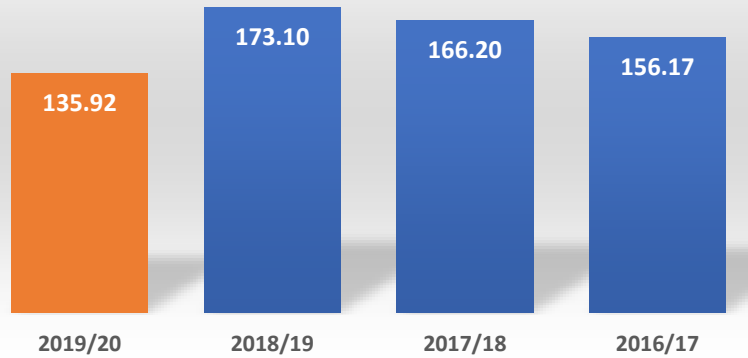


STATISTICAL FINDINGS

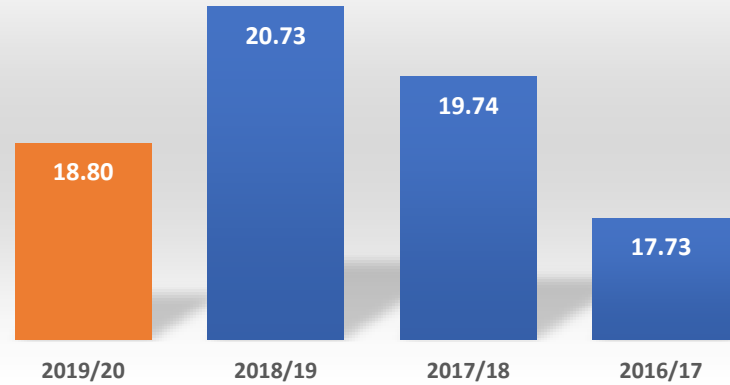
Under 15s – 60-overs Format Comparison



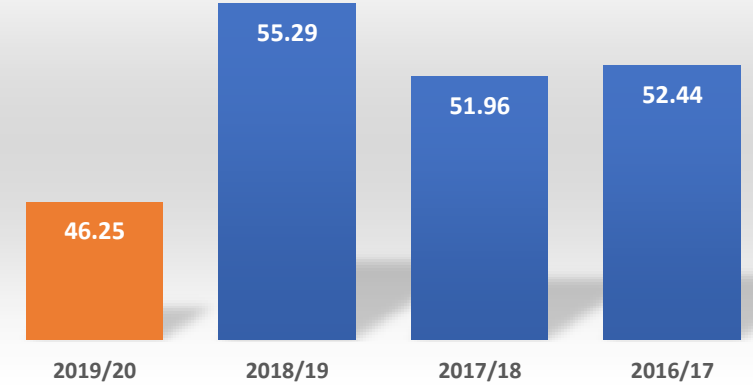
Average Runs Scored Per Innings



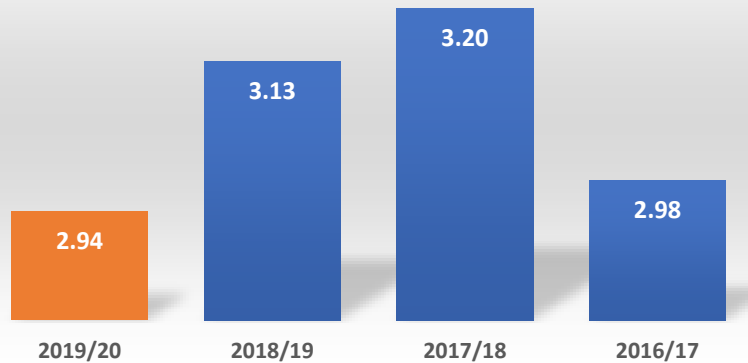
Average Runs Scored Per Wicket



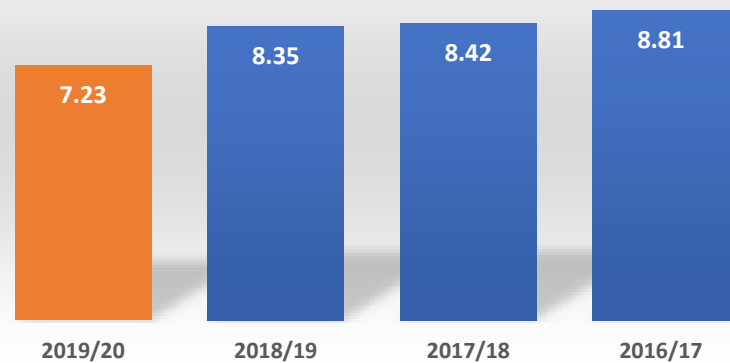
Average Overs Played Per Innings



Average Runs Scored Per Over



Average Wickets Lost Per Innings



- All matches are 60-overs a side two-day matches.
- Only first innings stats have been included for comparison.
- Fractions of overs were rounded to the nearest completed over (down for .1 & .2 and up for .3, .4 & .5).
- Percentage comparisons were conducted through averaging overall season figures (next slide).

STATISTICAL FINDINGS

Under 15s – 60-overs Format Comparison



Key Findings:

- In comparison with past 3 seasons, the overall runs per innings have dropped considerably in the 2019/20 season by 29.23 runs per innings. [*~18% decrease*]
- The net run rate has also decreased by about 0.16 runs per over. [*~5% decrease*]
- There has been a decrease in total runs per wicket as they're tracking at 0.6 runs lower on average than previous seasons. [*~3% decrease*]
- Players are batting for longer with a decrease in wickets lost as 1.3 less wickets were lost per innings this season. [*~15% decrease*]
- There has been a significant decrease in the length of the batting innings as there have been 6.98 less overs being played per innings on average in the 2019/20 season. [*~13% decrease*]

OVERALL	2016/17	2017/18	2018/19	2019/20
Total Innings	121	143	80	52
Total Runs	18896	23766	13848	7068
Total Overs	6345	7430	4423	2405
Total Wickets	1066	1204	668	376

STATISTICAL FINDINGS

Under 15s – 50-Over & 60-Over Formats Comparison (2019/20 Season)



Key Findings:

In the 2019/20 Season, in comparison with the 60-overs format, on average, the 50-overs format had:

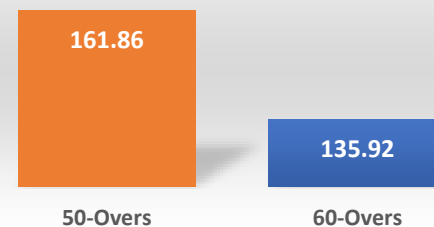
- 25.94 more runs scored per innings. [19%]
- 0.47 more runs scored per over. [16%]
- 2.3 more runs scored per wicket. [12%]
- 1.28 more overs played per innings. [3%]
- 0.44 more wickets lost per innings. [6%]
- 0.20 less overs played per wicket lost. [3%]

Between the 50-overs format and the 60-overs format:

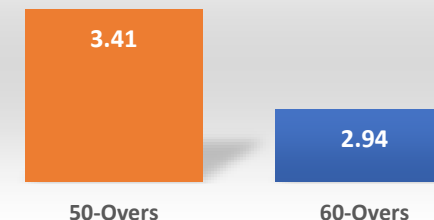
- There was only an average of approximately 26 extra runs scored for an average of 1.28 more overs faced, showing strong growth in productive play in the 50-overs format.
- Despite a higher number of overs (17%) being available in the 60-overs format, those overs were not utilised this current season (46.25 overs played on average).
- A 16% difference in scoring rates per over & 12% difference in scores per player is significant indicator of more productive play by players.
- Faster scoring rates have had little to no effect on the rate of wickets lost per innings as a 3% difference isn't significant to suggest a definitive change.

2019/20 Season	50-overs Format	60-overs Format
Total Innings	64	52
Total Runs	10359	7068
Total Overs	3042	2405
Total Wickets	491	376

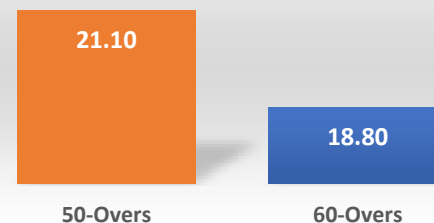
Average Runs Scored Per Innings



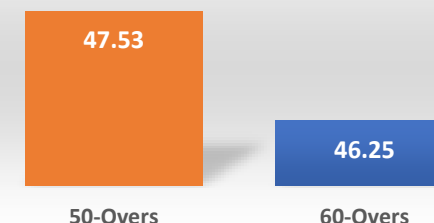
Average Runs Scored Per Over



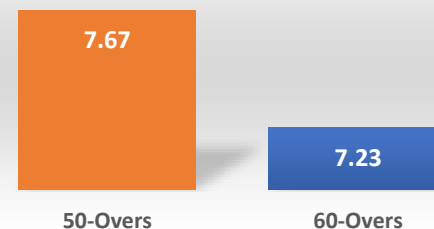
Average Runs Scored Per Wicket



Average Overs Played Per Innings



Average Wickets Lost Per Innings



Average Overs Played Per Wicket Lost

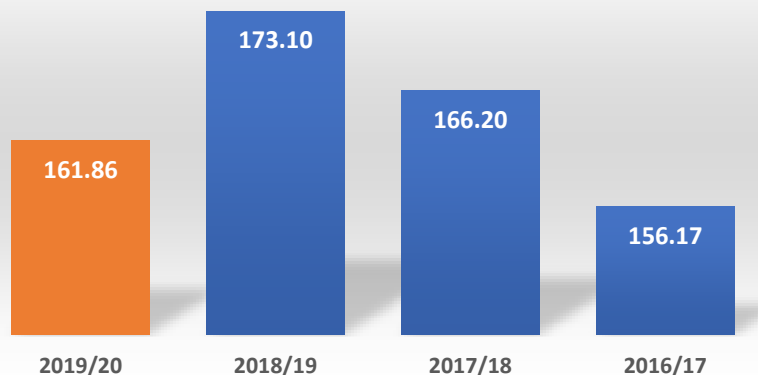


STATISTICAL FINDINGS

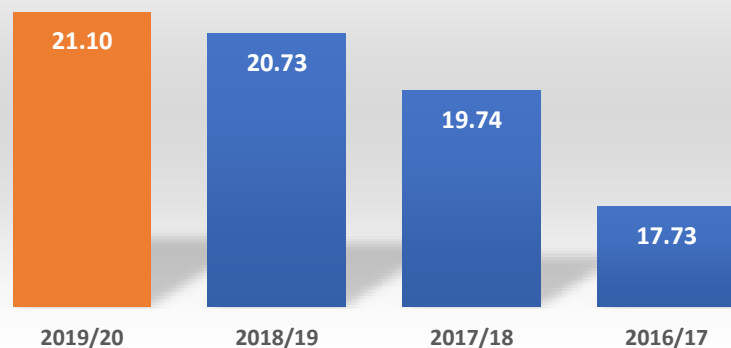
Under 15s – 50-overs & 60-overs Format Comparisons (Past Seasons)



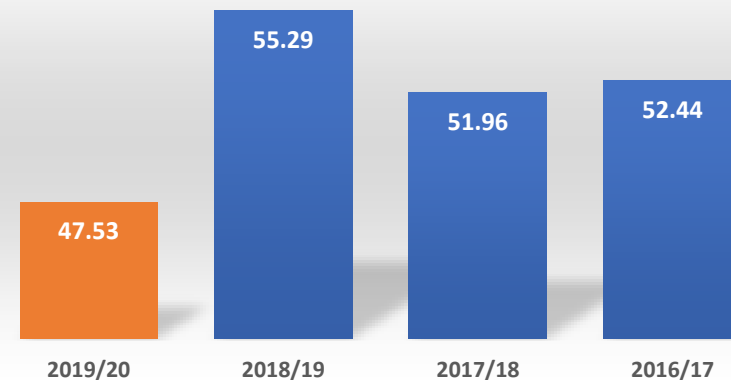
Average Runs Scored Per Innings



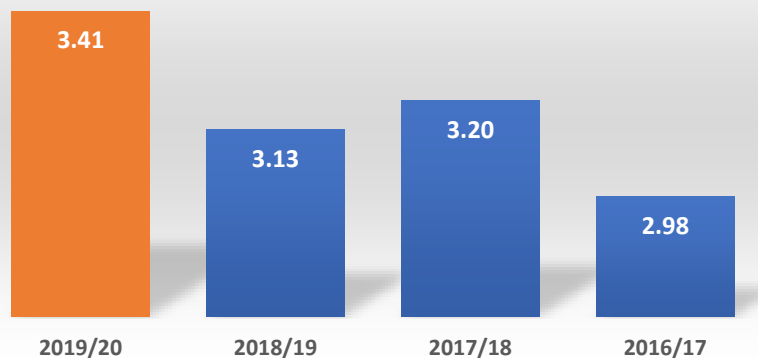
Average Runs Scored Per Wicket



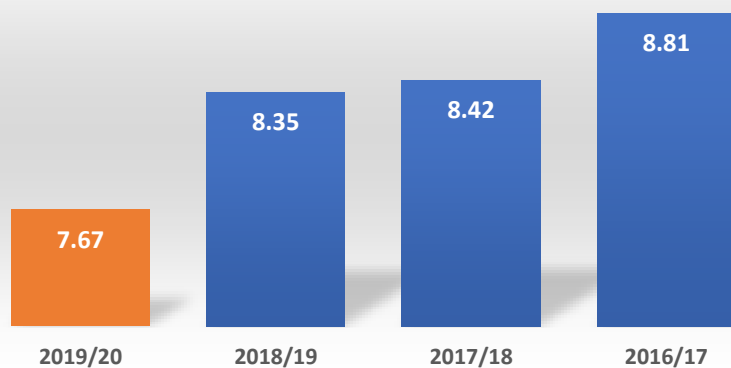
Average Overs Played Per Innings



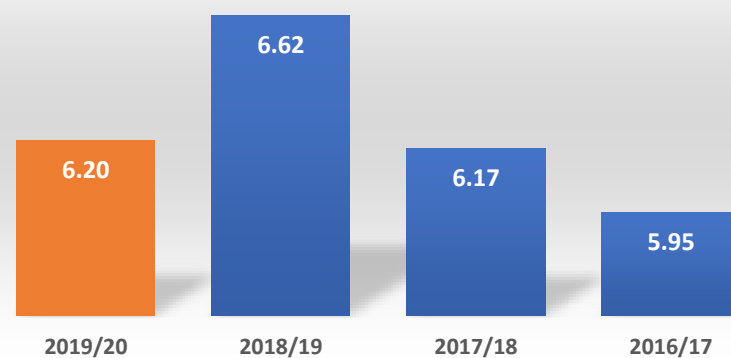
Average Runs Scored Per Over



Average Wickets Lost Per Innings



Average Overs Played Per Wicket Lost



- The graphics show 2019/20 season 50-overs format stats compared with 60-overs format stats of past 3 seasons.
- Fractions of overs were rounded to the nearest completed over (down for .1 & .2 and up for .3, .4 & .5).

- Only first innings stats have been included for comparison.

STATISTICAL FINDINGS

Under 15s – 50-overs & 60-overs Format Comparisons (Past Seasons)



Key Findings:

- Comparing past 3 seasons of 60-overs format and 50-overs format of 2019/20 season, the difference of average runs per innings has been very minimal despite the longer format in past seasons (3.29 less runs per innings). *[2% less]*
- The net run rate per over effectively shows a difference in scoring rates, with 0.31 runs per over being scored more in 50-overs format, than 60-overs. *[10% more]*
- Positive play has been evident with overall total runs per wicket in the 50-overs format tracking at 1.7 runs higher on average than previous seasons, hence batters making more runs. *[~9% more]*
- Batters are batting longer in 50-overs format as wickets lost per innings is 0.86 less than the 60-overs format. *[10% less]*
- With 0.05 less overs being played per wicket in the 50-overs format, batting durations are relatively similar. *[1% less]*
- As there is a *~17% base difference* in total numbers of overs available between the two formats, the 5.7 overs difference between average overs faced in explained (i.e. 10.71% being less than 17%).
- On average, players played 88.72% of available overs in the 60-overs format across the past 3 seasons, while they faced 95.06% of available overs in the 50-overs format. *[7% more]*

OVERALL	2016/17	2017/18	2018/19	2019/20
Total Innings	121	143	80	64
Total Runs	18896	23766	13848	10359
Total Overs	6345	7430	4423	3042
Total Wickets	1066	1204	668	491

STATISTICAL FINDINGS

Under 17's

**CREATING HISTORY.
INSPIRING CHAMPIONS.**



STATISTICAL FINDINGS

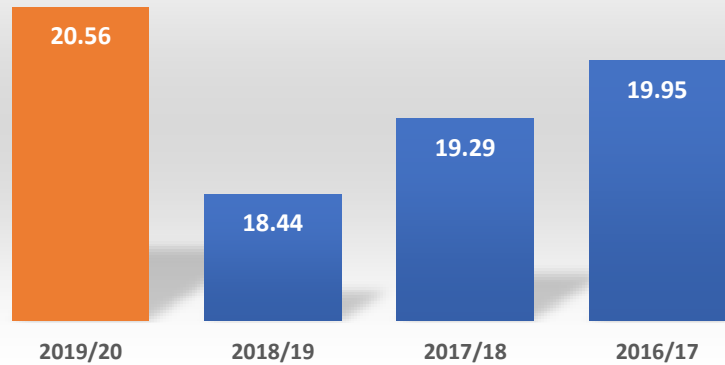
Under 17s – 60-overs Format Comparison



Average Runs Scored Per Innings



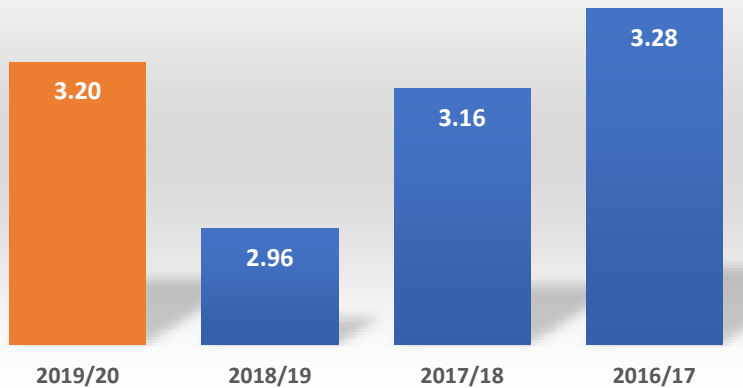
Average Runs Scored Per Wicket



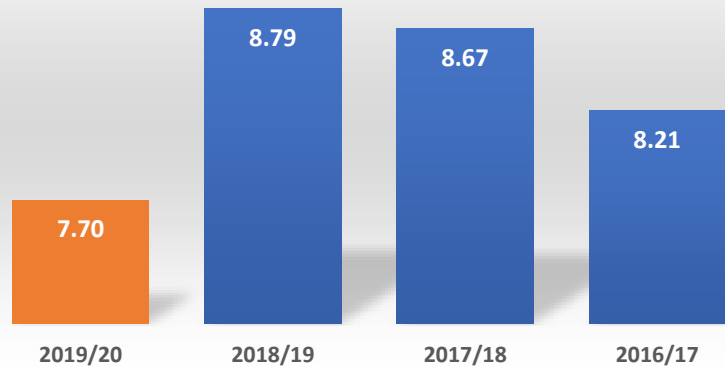
Average Overs Played Per Innings



Average Runs Scored Per Over



Average Wickets Lost Per Innings



- All matches are 60-overs a side two-day matches.
- Only first innings stats have been included for comparison.
- Fractions of overs were rounded to the nearest completed over (down for .1 & .2 and up for .3, .4 & .5).
- Percentage comparisons were conducted through averaging overall season figures (next slide).

STATISTICAL FINDINGS

Under 17s – 60-overs Format Comparison



Key Findings:

- In comparison with past 3 seasons, the overall runs per innings have decreased in the 2019/20 season by 6.04 runs per innings. [*~4% decrease*]
- The net run rate, however, has increased marginally by about 0.07 runs per over. [*~2% increase*]
- There has been an increase in total runs per wicket as they're tracking at 1.33 runs higher on average than previous seasons. [*~7% increase*]
- Players are also batting for longer with a decrease in wickets lost, as 0.86 less wickets were lost per innings this season. [*~10% decrease*]
- There has been a decrease in the length of the batting innings as there have been 3.05 less overs being played per innings on average in the 2019/20 season. [*~6% decrease*]

OVERALL	2016/17	2017/18	2018/19	2019/20
Total Innings	126	144	80	67
Total Runs	20626	24099	12960	10607
Total Overs	6297	7619	4372	3314
Total Wickets	1034	1249	703	516

STATISTICAL FINDINGS

Under 17s – 50-Over & 60-Over Formats Comparison (2019/20 Season)



Key Findings:

In the 2019/20 Season, in comparison with the 60-overs format, on average, the 50-overs format had:

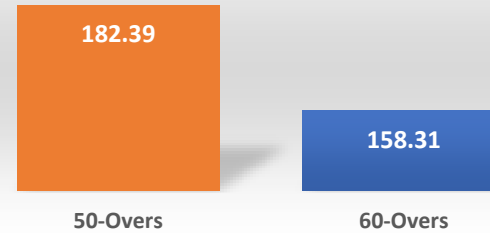
- 24.08 more runs scored per innings. [15%]
- 0.65 more runs scored per over. [20%]
- 3.56 more runs scored per wicket. [17%]
- 2.04 less overs played per innings. [4%]
- 0.14 less wickets lost per innings. [2%]
- 0.15 less overs played per wicket lost. [2%]

Between the 50-overs format and the 60-overs format:

- There was only an average of approximately 24 extra runs scored for an average of 2.04 less overs faced, showing a strong growth in productive play in the 50-overs format.
- Despite a higher number of overs (17%) being available in the 60-overs format, those overs were not utilised this current season (49.46 overs played on average).
- A 20% difference in scoring rates per over & 17% difference in scores per player is significant indicator of more productive play by players.
- Faster scoring rates have had little to no effect on the rate of wickets lost per innings as a 2% difference isn't significant to suggest a definitive change.

2019/20 Season	50-overs Format	60-overs Format
Total Innings	64	67
Total Runs	11673	10607
Total Overs	3035	3314
Total Wickets	484	516

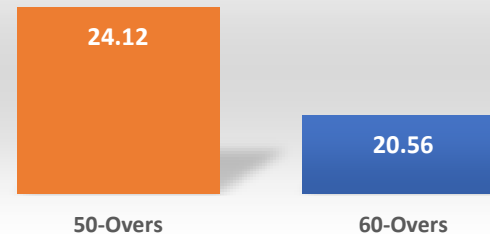
Average Runs Scored Per Innings



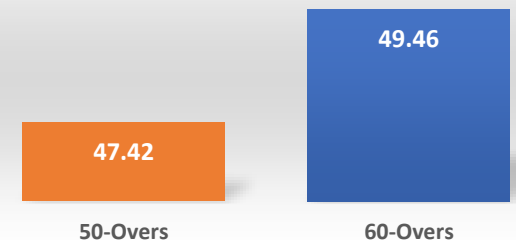
Average Runs Scored Per Over



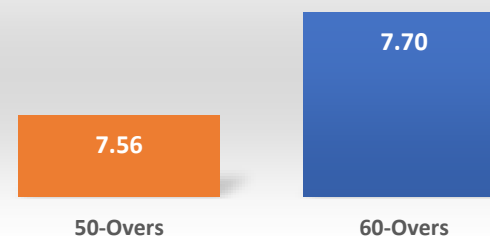
Average Runs Scored Per Wicket



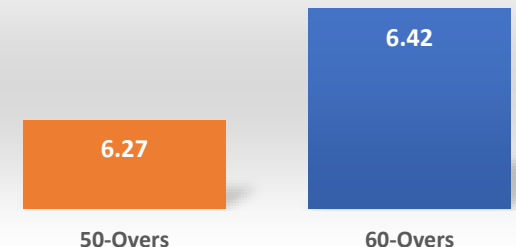
Average Overs Played Per Innings



Average Wickets Lost Per Innings



Average Overs Played Per Wicket Lost

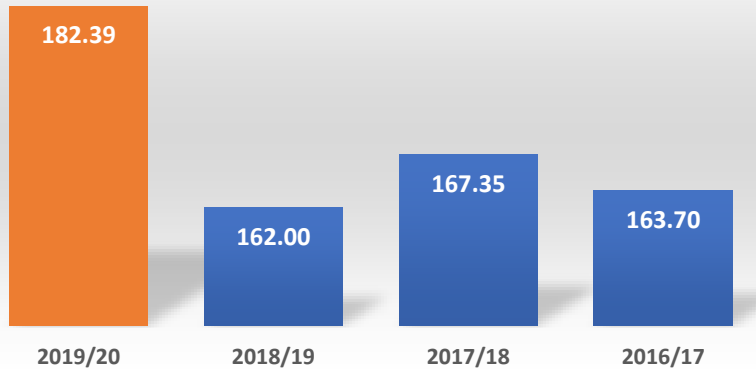


STATISTICAL FINDINGS

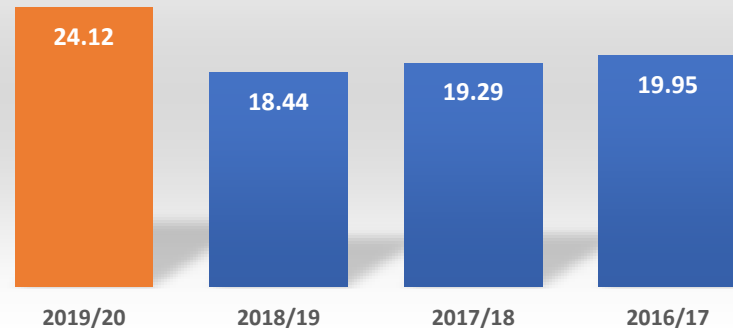
Under 17s – 50-overs & 60-overs Format Comparisons (Past Seasons)



Average Runs Scored Per Innings



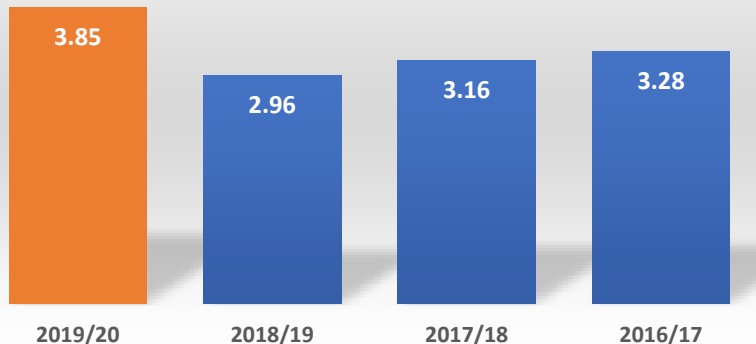
Average Runs Scored Per Wicket



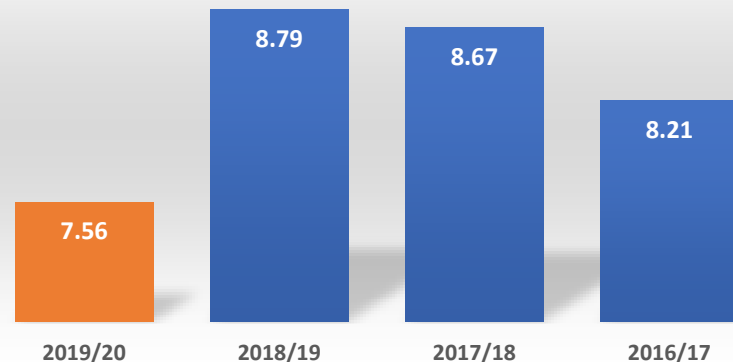
Average Overs Played Per Innings



Average Runs Scored Per Over



Average Wickets Lost Per Innings



Average Overs Played Per Wicket Lost



- The graphics have 2019/20 season 50-overs format stats compared with 60-overs format stats of past 3 seasons.
- Fractions of overs were rounded to the nearest completed over (down for .1 & .2 and up for .3, .4 & .5).

- Only first innings stats have been included for comparison.

STATISTICAL FINDINGS

Under 17s – 50-overs & 60-overs Format Comparisons (Past Seasons)



Key Findings:

- Comparing past 3 seasons of 60-overs format and 50-overs format in 2019/20 season, the difference of average runs per innings has been significant despite the longer format in past seasons (18.04 more runs per innings). *[11% more]*
- The net run rate per over effectively shows a difference in scoring rates, with 0.72 runs per over being scored more in 50-overs format, than 60-overs. *[23% more]*
- Positive play has been evident with overall total runs per wicket in the 50-overs format tracking at 4.89 runs higher on average than previous seasons, hence batters making more runs. *[25% more]*
- Batters are batting longer in 50-overs format as wickets lost per innings is 1.0 less than the 60-overs format. *[12% less]*
- This is further shown by 0.13 more overs being played per wicket in the 50-overs format. *[2% more]*
- As there is a *~17% base difference* in total numbers of overs available between the two formats, the 5.09 overs difference between average overs faced in explained (i.e. 9.69% being less than 17%).
- On average, players played 87.51% of available overs in the 60-overs format across the past 3 seasons, while they faced 94.84% of available overs in the 50-overs format. *[8% more]*

OVERALL	2016/17	2017/18	2018/19	2019/20
Total Innings	126	144	80	64
Total Runs	20626	24099	12960	11673
Total Overs	6297	7619	4372	3035
Total Wickets	1034	1249	703	484

CONCLUSION

**CREATING HISTORY.
INSPIRING CHAMPIONS.**



CONCLUSION



The data further consolidates some positive trends in support of the retention of the new 50-overs One-Day format at Under 15s and Under 17s level.

There are multiple reasons that could explain the difference, while interpretation of that data will also require contextual understanding with consideration of out-of-control factors such as talent pool, ground and weather conditions & fixturing balance etc.

The detailed analysis is aimed at suggesting support for a longer one-day style limited-overs format in relation to modernizing underage cricket to promote a more proactive approach to the game. It is also important to ensure that retention and development factors must be considered for a sustainable and high-quality standard of the Junior Premier Cricket competition at the Under 15s & Under 17s level.



WACA
WESTERN AUSTRALIAN
CRICKET ASSOCIATION

**CREATING HISTORY.
INSPIRING CHAMPIONS.**

Platinum Partner
alcohol
thinkagain **healthway**